Samsung

GALAXY S II™

S C H - R 7 6 0

A N D R O I D S M A R T P H O N E

User Manual

Please read this manual before operating your phone and keep it for future reference.

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Section 1: Getting Started

This section allows you to quickly start using your Samsung SCH-R760 phone by installing a microSD card, installing and charging the battery, activating your service, and setting up your voicemail account.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 251.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 198.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. (For more information, refer to *"Securing Your Phone"* on page 18.)

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.

- **Example**: Gives an example of the feature or procedure.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

→ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: "From the Home screen, touch **Menu**, then touch **Settings → Wireless and networks → Wi-Fi settings**."

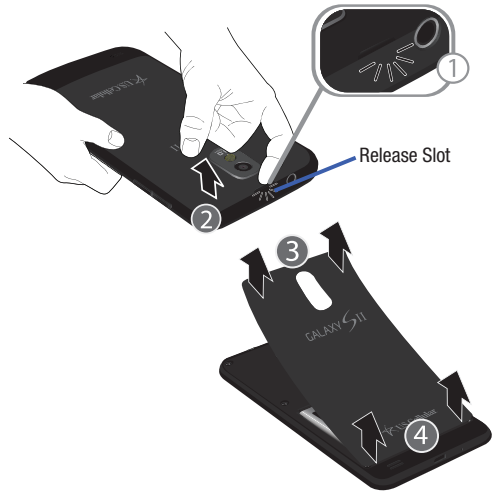
Setting Up Your Phone

Before using your phone, you need to install the battery and microSD™ card into their respective compartment and internal slot.

Important! Before removing or replacing the battery cover, make sure the phone is switched off. To turn the phone off, hold down the power key until the power-off image displays, then touch **Power off**.

Removing the battery cover

1. Hold the device firmly and locate the cover release slot (1) on the top of your phone.
2. Place your fingernail in the opening and firmly “pop” the cover off the back of the phone (2).



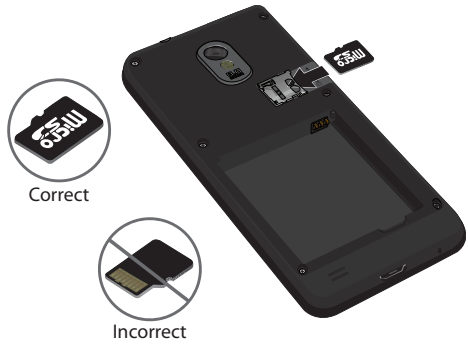
Installing the Memory Card

Your device lets you install a microSD™ (SD) or microSDHC™ memory card to expand available memory to store images, videos, music, applications, and data.

1. Remove the battery cover.
2. Locate the microSD card slot on the inside of the phone.
3. With the gold contacts facing down, carefully slide the memory card into the slot (as shown), pushing gently until it clicks into place.

Note: microSD memory cards include capacities of up to 2GB. microSDHC™ memory card types can range from 3GB to up to 32GB.

Important! Be sure to align the gold contact pins on the card with the phone's contacts.



Removing a Memory Card

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From the Home screen, touch **Menu**, then touch **Settings → Storage → Unmount SD card**.
2. Remove the rear cover. (For more information, refer to *"Removing the battery cover"* on page 8.)

3. Remove the battery cover.
4. Firmly press the card into the slot and release it. The card should pop partially out of the slot.
5. Remove the card from the slot.
6. Replace the battery cover. For more information, refer to *"Installing the battery cover"* on page 11.

Installing the Battery

1. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.
2. Gently press down to secure the battery (2).

Removing the Battery

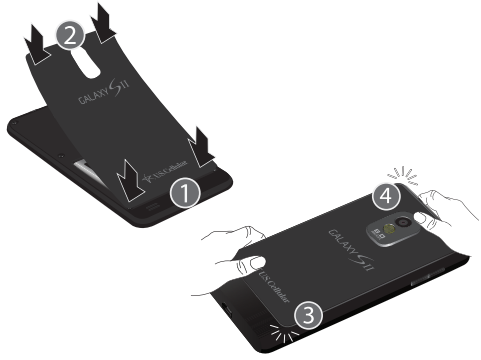
1. Remove the battery cover. (For more information, refer to *"Removing the battery cover"* on page 8.)

2. Lift the battery up by the slot provided (1).

3. Lift the battery up and out of the phone (2).

Installing the battery cover

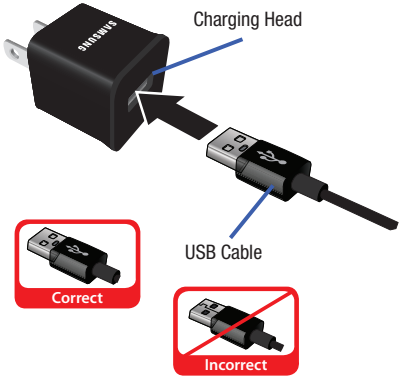
- Align the cover (1) and press it firmly into place (2), making sure it snaps into place at the corners (3 and 4).



Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your phone for the first time, you must fully charge the battery. A discharged battery recharges fully in approximately 4 hours.



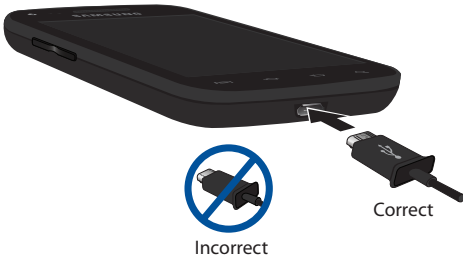
Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the phone to become damaged.

Important!: It is recommended you fully charge the battery before using your device for the first time.

1. Connect the USB cable to the charging head.
2. Locate the Charger/Accessory jack.
3. Insert the USB cable into the device's Charger/Accessory jack.
4. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Warning!: While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

Note: This illustration displays both the **correct** and **incorrect** orientation for connecting the charger. If the charger is incorrectly connected, damage to the accessory port will occur therefore voiding the phone's warranty.



5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the phone. Plug the charging head into a standard AC power outlet.

Important! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Social Hub"* on page 233.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Battery Indicator

The battery icon in the Annunciator Line shows battery power level. Two to three minutes before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

Non-Supported Batteries

Samsung handsets do not support the use of non-approved batteries.

Important! Using a non-supported battery may damage to your phone.

When using a non-supported battery you will hear a series of beeps and see a warning message:

"**UNABLE TO CHARGE NON-SUPPORTED BATTERY. SEE USER MANUAL**"

If you receive this warning, battery charging has been disabled.

Samsung charging accessories, such as the charging head and cigarette lighter adapter, will only charge Samsung-approved batteries.

Note: When using a non-supported battery, the phone can only be used for the duration of the life of the battery and cannot be recharged.

TTY Mode

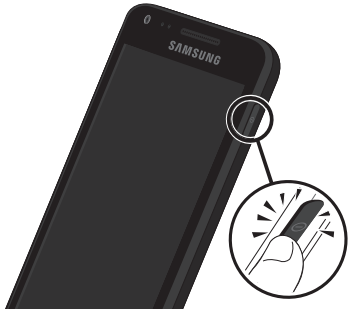
Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, refer to *"TTY mode"* on page 165.

Turning Your Phone On

- Press and hold the **Power/Lock** key for three seconds.

While powering on, the phone connects with the network, then displays the Locked screen and puzzle pieces for any active Notification alerts.



Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than necessary.

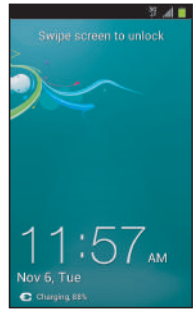
Turning Your Phone Off

1. Press and hold the **Power/Lock** key for two seconds.
2. At the prompt, touch **Power off**.

Unlocking Your Phone

1. Press the **Power/Lock** key to wake the screen.
2. If there are no Notification alerts on your phone, touch and drag the unlock puzzle piece and fit it into the empty space.

   The Home screen appears.



Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting up Voicemail

1. Touch **Home**, then touch **Phone**, then touch and hold 1 ∞.
2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. Touch **Home**, then touch **Phone**, then touch and hold 1 ∞.
2. Follow the automated instructions to manage voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Displaying Your Phone Number

- Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **About device** ➔ **Status**.

Your phone number displays under **My phone number**.

Your Google™ Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Maps, Google Talk, and the Android Market. When you turn on your phone for the first time, you should set up a connection with your existing Google account, or create a new Google account.

1. Touch **Home**, then touch **Applications** ➔ **Gmail**.

   The **Add a Google Account** screen displays.
2. Touch **Next** to continue.
3. Follow the on-screen instructions to create a Google Account, or to sign in if you already have a Google account.

Resetting your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to reset it:

1. From your computer, use an Internet browser to navigate to http://google.com/accounts.
2. Once the Web Page loads, click on the **Can't access your account?** link.

3. Under **Forgot your password?**, follow the password reset prompts.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon ( ) appears in the Annunciator Line (Notification Bar) of the display.

Tip: You can set your phone's roaming behavior. (For more information, refer to *"Mobile networks"* on page 163.)

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls.

Note: Contact your Wireless Provider for more information about your coverage area and service plan.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock it manually. You can unlock the phone using one of the default Unlock screens, or for increased security, use a personal screen unlock pattern, a Personal Identification Number (PIN), or a password.

For more information about creating and enabling a Screen unlock pattern, see *"Screen security"* on page 183.

For other settings related to securing your phone, see *"Security"* on page 183.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

- Press the **Power/Lock** key on the right side of the phone.

Unlocking the phone

For information on unlocking your phone, see *"Unlocking Your Phone"* on page 16.

Unlocking with a Personal Screen Unlock Pattern

1. Press the **Power/Lock** key to wake the screen.
2. Draw your personal unlock pattern on the screen.

For more information, refer to *"Screen security"* on page 183.

Unlocking with a Password

1. Press the **Power/Lock** key to wake the screen.
2. Enter your Password.
3. Touch **OK**.

For more information, refer to *"Screen security"* on page 183.

Section 2: Understanding Your Phone

This section outlines key features of your phone, including keys, displays, and icons.

Features

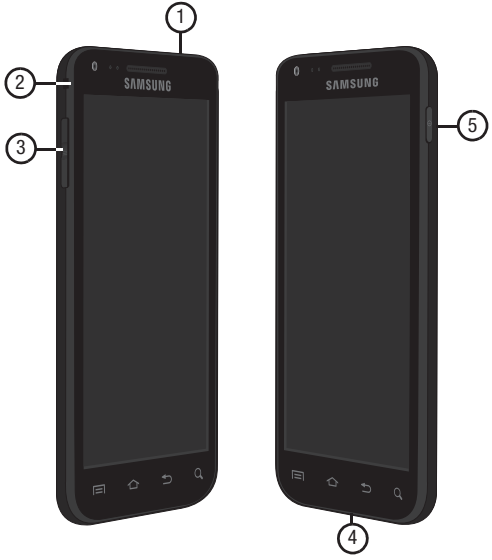
- 4.52-inch (800x480 pixel) Super AMOLED touch screen
- 7-page Home screen, simplified main menu, and separate, 4-page Applications menu
- High Speed Data [EVDO 3G - Rev B Capable Technology and Wi-Fi Technology]
- Android OS (4.0.4)
- Motion and position sensitivity
- Full integration with Google applications, including Google Search, Google Maps, Google Talk, and Gmail
- Connections
  - Wi-Fi 802.11 b/g/n
  - Wireless Modem Service
  - Bluetooth 2.1 + EDR
  - Virtual Private Network (VPN)
- Text, Picture, Email, and Voice Messaging Services (with on-screen QWERTY Keypads)
- Full-HTML Browser
- Global Positioning (GPS) Technology
- 8.0 Megapixel CMOS Camera-Camcorder, rear-facing
- 2.0 Megapixel CMOS Camera-Camcorder, front-facing
- Picture Gallery, supporting JPG, PNG, GIF, and BMP formats
- Music Player, supporting MP3 format
- Video Player (720p — MP4 and 3GP)
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Speakerphone
- Voice recognition by Vlingo®
- Ringtone and Alert tone support for MP3, AAC, WMA, M4A, OGG, MID, and AMR formats
- Support for microSD™ and microSDHC™ Memory Cards (up to 32 GB capacity) (A microSD Memory Card is included with your phone.)
- Bluetooth® 3.0 + EDR Wireless Technology. (For more information, refer to *"Bluetooth profiles"* on page 155.)

Front View

1. **Light and Proximity Sensors**: Light sensor adjusts screen brightness when **Brightness** is set to **Automatic brightness**. (For more information, refer to *"Brightness"* on page 174.) During a call, the Proximity sensor detects that the phone is next to your face and darkens the screen to save battery power.
2. **Camera Lens**: Used when taking photos or recording videos.
3. **Menu Key**: Touch to display options for the current screen.
4. **Microphone**: Passes your voice to other parties in a call. Used when recording voice notes. Passes your voice to Voice Dialer. (For more information, refer to *"Voice Recorder"* on page 150 and *"Voice command"* on page 149.)
5. **Home Key**: Touch to display the Home screen. Touch and hold to pop-up shortcuts to Recently used apps and to the **Task manager**.
6. **Back Key**: Touch to return to the previous screen or option.

7. **Search Key**: Touch to launch Search, to search your device or the web.
8. **Power Indicator**: Indicates when the battery is being charged.
9. **Earpiece**: Listen to callers.

Side Views



1. **3.5mm Headset Jack**: allows you to plug in headphones.
2. **Accessory Hook**: Attach optional accessories, such as a lanyard, here.
3. **Volume Key**: From a Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
4. **USB Power/Accessory Port**: Plug in a USB cable for charging or to sync music and files.
5. **Power/Lock Key**: Press and hold to power your phone on or off. With the phone on, press to lock your phone and blank or waken the display.

Back View

1. **Camera Lens**: Used when taking photos or recording videos.
2. **Flash**: Used when taking pictures or record videos in low light.
3. **Back Cover**: Protects the battery and Memory Card slot.
4. **Speaker Grill**: Plays ringtones, call audio when in Speakerphone mode, music, and other sounds.

Touch Screen Display

Your phone's touch screen display is the interface to its features.

1. **Annunciator Line**: Presents icons to show network status, battery power, and connection details. (For more information, refer to *"Annunciator Line"* on page 27.)
2. **Home screen**: The starting point for using your phone. Place icons, widgets, and other items to customize your phone to your needs. (For more information, refer to *"Home Screen"* on page 31.)
3. **Primary Shortcuts**: Shortcuts to your phone's common features. (For more information, refer to *"Primary Shortcuts"* on page 33.)
4. **Panel Indicator**: Shows what panel of 7 available panels appears in the display.
5. **Shortcuts**: You can add more shortcuts for quick access to applications or features, such as Email or other applications. For more information, refer to *"Adding Shortcuts to a Home Screen panel"* on page 37.
6. **Widget**: An application that executes or that you can execute on the home page panel.

Display settings

You can customize display settings to your preferences. (For more information, refer to *"Display Settings"* on page 172.)

Changing the Screen Orientation

Your SCH-R760 can automatically change the orientation of some screens. The phone's built-in accelerometer senses movement and changes a screen's orientation from portrait to landscape.

Note: Some screens, especially those for applications and games, do not respond to the accelerometer.

Annunciator Line

The Annunciator line displays icons to show network status, battery power, and other details.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

Airplane Mode Active: All wireless communications are disabled. (See *"Airplane mode"* on page 158.)

No Signal: Indicates there is no signal available.

System Alert: Check Notifications Panel for alerts.

Voice Call: A voice call is in progress.

Speakerphone: Speakerphone is enabled.

Missed Call: Displays when there is a missed call.

Battery Level: Shown fully charged.

Charging Indicator: Battery is charging.

Device Power Critical: Battery has only three percent power remaining. Charge immediately.

1X Connection Active: Phone is active on a 1X system.

3G Connection Active: Phone is active on a 3G system.

Roaming: Phone is currently roaming outside your service coverage area.

USB Connected: The phone is connected to a computer using a USB cable.

New Text Message: You have a new text or multimedia message.

New Voicemail: You have new voicemail.

New Email Message: You have new email.

Alarm Set: An alarm is active. (For more information, refer to *"Clock"* on page 135.)

Silent mode: All sounds except media and alarms are silenced. (See *"Silent mode"* on page 169.)

Vibrate mode: All sounds are silenced, but the phone vibrates for alerts. (See *"Silent mode"* on page 169.)

Preparing SD Card: An optional memory card is installed and being prepared for use.

SD Card Media scanning complete: Scan for media files on optional memory card is complete.

SD Card removed: Optional memory card removed without being unmounted.

SD Card USB alert: Optional memory card problem while USB is connected to mass storage.

Bluetooth Active: Bluetooth is turned on.

Bluetooth Connected: The phone is connected to another Bluetooth device.

Wi-Fi Active: Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Wi-Fi Action Needed: Action needed to connect to Wireless Access Point (WAP).

Tethering Active: Tethering feature is active and ready for use. (For more information, refer to *"Tethering"* on page 127.)

Portable Wi-Fi Hotspot Active: Portable Wi-Fi Hotspot feature is active and ready for use. (For more information, refer to *"Portable Wi-Fi hotspot"* on page 127.)

TTY: TTY Mode is active.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. (For more information, refer to *"Warranty Information"* on page 221.)

Command Keys

Menu Key

Touch **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Touch **Home** to display the Home screen. Touch and hold at any time to launch Task Manager. (For more information, refer to *"Task manager"* on page 148.)

Back Key

Touch **Back** to return to the previous screen, option or step.

Search Key

Touch **Search** to launch Quick Search, to search the web and your phone.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen. To access context-sensitive menus:

- Touch **Menu**.
- Touch and hold on an item.

Touch

Touch items to select or launch them. For example:

- Touch the on screen keypad to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Sweep

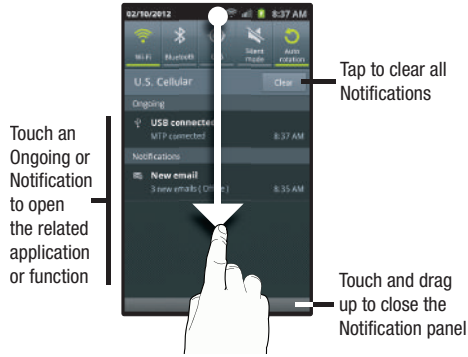
To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:

- Unlocking the screen
- Scrolling the Home screen or a menu

Notification Panel

The Notification Panel shows information about connections, messages and other items.

- Sweep your finger downward from the top of the screen. To close Notification Panel, touch the panel.



Connection Buttons

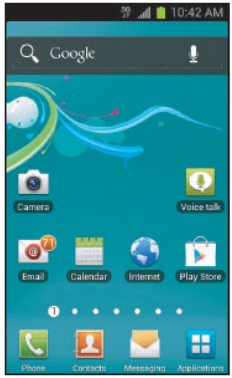
Buttons at the top of the Notification Panel show connection statuses for **Wi-Fi**, **Bluetooth**, **GPS**, **Silent mode**, and **Auto rotation** mode. You can enable or disable any of the first four connections by touching the appropriate button.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch **Clear** to clear all notifications.

Home Screen

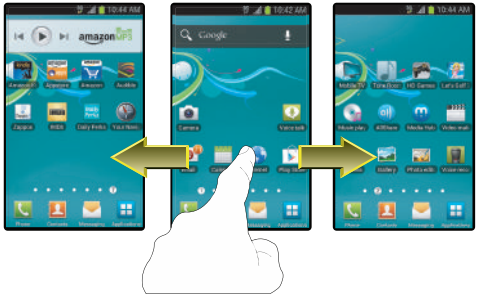
The Home screen is the starting point for using your phone.



Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Extended Home Screen

The Home screen consists of the Home panel, plus 6 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.



Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels, and set one as Home.

1. Navigate to a Home screen panel, then touch **Menu**.
2. Touch **Edit**. An array of thumbnail images of the Home screen panels appears in the display.
3. To remove a panel, touch, hold, and drag the panel image to the **Remove** icon ( ).
4. To add a panel, touch .
5. To set a panel as the Home panel, touch, hold, and drag the panel image to the center (panel 4) position.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for the **Applications** / **Home** shortcut.

Note: When you access **Applications**, the **Home** shortcut replaces the **Applications** shortcut to provide quick return to the Home screen.

The default primary shortcuts are:.

Phone: Launches the Phone, to make calls. (For more information, refer to *"Making Calls"* on page 41.)

Contacts: Store and manage your contacts. (For more information, refer to *"Contacts"* on page 64.)

Messaging: Send and receive messages. (For more information, refer to *"Messaging"* on page 75.)

Applications: Access your phone's applications. (For more information, refer to *"Accessing Applications"* on page 130.)

Editing the Primary Shortcuts

1. Touch **Home**, then touch **Applications**.
2. Touch **Menu**, then touch **Edit**.
3. Touch and drag an icon to replace a primary shortcut.
4. When you are finished, touch **Menu**, then touch **Save**.

Customizing the Home Screen Panels

Customize the Home screen panels to suit your preferences.

- **Add Widgets**: For more information, refer to *"Adding Widgets to a Home Screen panel"* on page 34.
- **Add Shortcuts**: For more information, refer to *"Adding Shortcuts to a Home Screen panel"* on page 37.
- **Add Folders**: For more information, refer to *"Adding Folders to a Home Screen panel"* on page 38.
- **Change the Wallpaper**: For more information, refer to *"Changing the Wallpaper on a Home Screen panel"* on page 39.

Adding Widgets to a Home Screen panel

Widgets are self-contained applications that you can place on the Home screen to access favorite features.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 32.)
2. Touch and hold on the screen to display the **Add to Home screen** menu.
3. Touch **Widgets**, then touch a selection to add it to the Home screen:

AccuWeather.com: Display weather information from AccuWeather.com®.

Amazon MP3: Shop for, purchase, and download MP3 music files on Amazon.com.

Application Monitor: Monitor active applications, and running in the background.

Audible Large: Download and play audio books from audible.com. (Requires an audible.com account.)

Audible Medium: Download and play audio books from audible.com. (Requires an audible.com account.)

Audible Small: Download and play audio books from audible.com. (Requires an audible.com account.)

Buddies Now: Display your Contacts list.

Month: Display this month's calendar and Calendar event list.

Agenda: Display this week's Calendar event list.

Today: Display today's Calendar event list.

Classic clock: Display current time on a numerical analog clock.

Simple clock: Display current time on a non-graduated analog clock.

Funky clock: Display current time on an analog clock.

Modern clock: Display current time on an analog clock.

Contact: Directly access a specific Contact.

Daily Perks: View helpful tips, discounts, local weather, news, and more.

Digital clock: Display current time on a digital clock.

Analog dual clock: Display current times for two selected locations in analog format.

Digital dual clock: Display current times for two selected locations in digital format.

Email: View and manage email messages to your email account(s).

Gmail: View and manage email messages to your Google account.

Google Play Books: Find and read more than 3 million free ebooks and hundreds of thousands more to buy in the Google eBookstore.

Google Play Music: Play music files stored in phone memory and/or on a microSD Memory Card.

Google Search: Add a universal, Web-only, Apps-only, or Contacts-only Google Search bar.

Media Hub: Browse, preview, rent/purchase, and play movies and TV shows.

Picture frame: Launch the Picture Frame application.

Play Store: Browse, download, and install Android applications.

Power Saving: Set network and power settings.

S Bookmark: Display your Browser bookmark list.

Slacker Radio: Slacker offers free, internet radio for mobile phones.

Social Hub: An integrated interface for accessing your e-mails, instant messages, social network contents, and calendar contents.

Today agenda: Display today's events list.

Traffic: Display traffic information for a particular destination.

U.S. Cellular Mobile TV (large): Display live, on-demand, and downloadable TV programming.

U.S. Cellular Mobile TV (small): Display live, on-demand, and downloadable TV programming.

Voice: Access Voice command, Voice talk, and Driving mode.

YND GPS Navigator: Your Navigator Deluxe GPS Navigator lets you search for places by address, type of business, or category; provides lists of places that match pre-defined categories; and provides directions to your HOME or WORK locations from your current location.

YND Search: Your Navigator Deluxe Search lets you search for places by address, type of business, or category and provides lists of places that match pre-defined categories.

YND Traffic: Your Navigator Deluxe Traffic shows travel time and length of delays to your HOME or WORK locations from your current location.

Yahoo! Finance: Display a financial information from Yahoo!® Finance.

Yahoo! News: Display a financial information from Yahoo!® News.

YouTube: Search YouTube and watch videos.

Removing Widgets

- Touch and hold the Widget until the trash can icon ( ) appears, then drag the Widget to the icon.

Adding Shortcuts to a Home Screen panel

Use Shortcuts for quick access to applications or features, such as Gmail or other applications.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 32.)
2. Touch and hold on the screen to display the **Add to Home screen** menu.
3. Touch **Shortcuts**, then touch a selection:

Applications: Launch an application. For a list, see *"Applications"* on page 130.

Book: Launch Play Book to browse, purchase, download, and view electronic books.

Bookmark: Launch a bookmarked web page.

Contacts: View a contact you specify.

Direct dial: Automatically call a contact you specify.

Direct message: Create a message to a contact you specify.

Directions & Navigation: Provides turn-by-turn directions for car, bus, bike, or walking trips. You can also save directions to a particular destination.

Music playlist: Launch Music Player to play a selected Playlist. (See *"Music Player"* on page 106.)

Settings shortcut: Go to a selected setting (Accessibility, Applications, Battery, Bluetooth, Data usage, Display Settings, Location services, Sound Settings, Tethering, VPN, or Wi-Fi). (For more information, refer to *"Settings"* on page 153.)

4. Follow the prompts to configure the Shortcut and add it to the Home screen.

Removing Shortcuts

- Touch and hold the Shortcut until the trash can icon ( ) appears, then drag the Shortcut to the icon.

Adding Folders to a Home Screen panel

Place Folders on the Home screen to organize items together on the Home screen.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 32.)
2. Touch and hold on the screen to display the **Add to Home screen** menu.
3. Touch **Folders**, then touch a selection to add it to the Home screen:

New folder: Create a new empty folder.

All contacts: Create a folder containing all contacts.

Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.

Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.

Recent documents: Create a folder containing documents recently added or changed.

Starred contacts: Create a folder containing contacts marked as Favorites.

Removing Folders

- Touch and hold the Folder until the trash can icon ( ) appears, then drag the Folder to the icon.

Changing the Wallpaper on a Home Screen panel

Choose a picture to display in the background of a Home screen panel. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 32.)
2. Touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

   – or –

   From the Home screen, touch **Menu**, then touch **Wallpaper**.
3. Choose a source for images:
   - **Gallery**: Access the Gallery to choose a picture from an optional installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
   - **Live wallpapers**: Choose from pre-loaded animated wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.
   - **Wallpaper gallery**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Adding Applications to a Home Screen panel

You can add shortcuts to applications to a Home screen panel, for quick access to the application.

1. Navigate to the desired Home screen panel. (For more information, refer to *"Extended Home Screen"* on page 32.)
2. Touch **Applications**. The Applications screen appears. (For more information, refer to *"Applications"* on page 130.)
3. Sweep your finger right or left to scroll the Applications screens.
4. Touch and hold on an Application icon. The Application shortcut or widget is automatically copied onto the selected Home screen panel.

Removing Applications shortcuts and widgets

- Touch and hold the Application shortcut or widget until the trash can icon ( ) appears, then drag the Application shortcut or widget to the icon.

Section 3: Call Functions

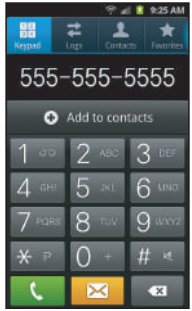
This section describes how to make, answer, or end calls. This section also describes your phone's features and functionality associated with making or answering calls.

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Keypad** to enter a telephone or speed dial number.
- Return a call, or call a recently called number using the **Logs**.
- Call a Contact or number from **Contacts** or **Favorites**.
- Speed dial a Contact.
- Voice dial a Contact or number with **Voice talk**.

Making Calls Using the Phone Keypad



1. Navigate to a Home screen panel, then touch **Phone**. The **Keypad** screen appears in the display.
2. Enter a telephone or speed dial number on the **Keypad** screen keypad. The following dialing options are availble:
   - Touch **Menu**, then touch **Speed dial setting** to dial or set Speed Dials.
   - Touch **Menu**, then touch **Add 2 sec pause** to insert a 2-second pause in a telephone number.
   - Touch **Menu**, then touch **Add wait** to insert a Wait pause in a telephone number, to pause dialing to wait for input from you.

   For a complete list of Keypad screen menu options, see *"Keypad options"* on page 45.

3. Touch to place the call.

Note: Touching or does not end a call. (For more information, refer to *"Ending a Call"* on page 48.)

Dialing Emergency Numbers

When you call an Emergency Number, such as 911, do not disconnect the call or make other calls until advised to do so by the emergency operator. This enables emergency operators to more easily dispatch aid, such as police, fire fighting, and emergency medical personnel.

1. Navigate to a Home screen panel, then touch **Phone**.
2. Enter 911 using the touch keypad.
3. Touch to place the call.

Note: The emergency number 911 is preset into your phone, and you can dial 911 at almost any time, even when the phone is locked, restricted, or in Airplane Mode. You can specify other numbers than 911 as emergency numbers using the **Emergency #** settings. (For more information, refer to *"Emergency Numbers"* on page 168.)

When you call 911, an audible tone plays and an Emergency prompt appears in the display for the duration of the call. (For more information, refer to *"Emergency tone"* on page 172.)

Caution! DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications. Because of transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Making Calls using Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact. (For more information, refer to *"Speed Dials"* on page 74.)

1. Navigate to a Home screen panel, then touch **Phone**.
2. Touch the digits of the speed dial number on the Dialer keypad, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest. (For more information, refer to *"Contacts"* on page 64.)

1. Navigate to a Home screen panel, then touch **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch to dial the default number for the Contact.

Making Calls using Voice talk

Place a call by speaking the name or number. (For more information, refer to *"Voice talk"* on page 150.)

1. Navigate to a Home screen panel, then touch **Applications** → **Voice talk**.
2. Say "**Hi Galaxy**" or touch **Tap & Speak**.
3. At the "**What would you like to do?**" prompt, say "**Call**" followed by a Contact name or a phone number.

Making Calls using Favorites

Favorites are Contacts you designate as favorites by starring them, or Contacts you call frequently. (For more information about designating favorites, see *"Favorites"* on page 70.)

1. Navigate to a Home screen panel, then touch **Phone**.
2. Touch Favorites **Favorites** to display the list of your favorites.
3. Find the Contact and touch it to open the Contact entry.
4. Touch to dial the default number for the Contact.

Making Calls from Call Log

Return a call, or call a number from a recent call stored in Call log. (For more information about Call log, see *"Call Logs"* on page 48.)

1. Navigate to a Home screen panel, then touch **Phone**.
2. Touch **Logs** to display recent calls.
3. Find a call.
4. Touch the call, then touch one of the following:
   - to call the number in the desired call record.
   - to send a message to the number in the desired call record.

Three-Way Calling

Merge two calls to set up a three-way call between you and two other parties.

1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the phone **Keypad** appears.
3. Enter the second phone number, then touch .
4. Touch **Merge**. The two calls are joined into one, 3-way call.

Dialing International Numbers

1. In standby mode, do one of the following:
   - Touch and hold the 0 + key until the plus symbol (+) appears in the display.
   - Enter the three-digit exit code (011) for the United States.
2. Do one of the following:
   - Touch and hold the 0 + key until a second plus symbol (+) appears in the display. (This automatically inserts a preset country code. For more information, refer to *"International dialing"* on page 164.)
   - Enter the country code for the country that you are calling.

3. Enter the number that you wish to call, then touch the key.

Note: Puerto Rico and Canada are on the North American dialing plan. When making calls to Puerto Rico and Canada it is similar to making calls within the United States, no unique country codes are necessary.

Keypad options

- Press **Home** → **Phone**. The following options are available:
  - Touch **Add to contacts** to assign the number entered to a new or existing Contact. (For more information, refer to *"Creating Contacts"* on page 64.)
  - Touch and hold * to add a 2-second pause to the number you've entered.
  - Touch and hold 0 + before entering an international number. Inserts "**+**" at the beginning of the number you are entering. The "**+**" is automatically replace with the "**011**" international number dialing code after you touch .
  - Touch and hold # to enable/disable Silent mode.
  - Touch to send a message to the number entered. (For more information, refer to *"Creating and Sending Messages"* on page 75.)

- Touch Menu to access the following additional options:
  - **Contacts**: Launches the Contacts list. (For more information, refer to *"Contacts"* on page 64.)
  - **Add to Contacts**: Save the number you've entered to a new or existing Contact entry.
  - **Speed dial setting**: Assign a Speed dial number to the number you've entered.
  - **Add 2-sec pause**: Insert a 2-second pause in the number you've entered.
  - **Add wait**: Insert a Wait pause in the number you've entered, to pause dialing and wait for additional input from you.
  - **Settings**: Launches the **Call settings** menu. (For more information, refer to *"Call settings"* on page 163.)

Answering Calls

To answer an incoming call:

- On the Incoming call screen, touch and drag outside of the large circle.

Silencing an Incoming Call Ringtone

When your phone alerts you to an incoming call, you can silence the ringtone for the call. (For more information, refer to *"Ignoring a call"* on page 46.)

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can ignore the call to send the caller to voicemail, or reject the call and send a message to the caller.

Ignoring a call

When you ignore a call, the call is forwarded to voicemail.

- On the Incoming call screen, press the Volume key up or down. Your phone's ringer stops and, after a number of rings, the call is forwarded to voicemail.

Rejecting a call

When you reject a call, the call is answered by voicemail.

- On the Incoming call screen, touch and drag outside of the large circle. Voicemail answers the call, prompting the caller to leave a voice message.

Rejecting a call with a message

You can reject an incoming call by sending the caller a text message. You can create a new message, or choose a message you previously created. (For more information about creating ignore text messages, see *"Set reject messages"* on page 163.)

1. On the Incoming call screen, touch and drag the **Reject call with message** tab upward.
2. Touch **Create new message**, then enter new text.
3. Touch **Send** to send the text message.

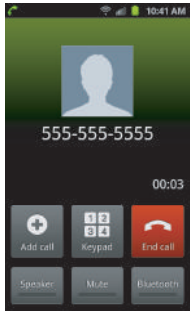
Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and slide **Answer** to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

In-Call Options

While in a call, you can use these features:



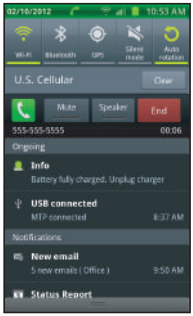
- **Add call**: Display the Phone Dialer to set up a multi-party call.
- **Keypad**: Display a dialpad to enter numbers.
- **End call**: End the phone call.
- **Speaker**: Enable or disable speakerphone.
- **Mute**: Mute or unmute your voice on the call.
- **Bluetooth**: Switch the call's audio to a Bluetooth headset.

Ending a Call

- From the In-Call screen, touch End call.

From screens other than the In-Call screen, do the following:

1. Open the Notification Panel. (For more information, refer to *"Notification Panel"* on page 30.)
2. On the In-Call line, touch End.



Call Logs

When you place, answer, or miss a a call, a record of the call is saved in the Call Logs.

Accessing Call Logs

- Navigate to a Home screen panel, then touch **Phone** → Logs **Logs**.

Sending Messages using Call Logs

1. Navigate to a Home screen panel, then touch **Phone** → Logs **Logs**.
2. To create a new message to a phone number in the Call log, do one of the following:
   - Touch a call record, then touch ✉.
   - Touch and hold on a call record, then select **Send message**.
3. Continue creating the message. (For more information, refer to *"Creating and Sending Messages"* on page 75.)

Creating or Updating Contacts Using Call Logs

1. Navigate to a Home screen panel, then touch **Phone** ➔ **Logs**.
2. Touch and hold on a call record, then select **Add to contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 64.)

Managing the Call Logs

Filtering Call and Message log records

1. Navigate to a Home screen panel, then touch **Phone** ➔ **Logs**.
2. While viewing the Call Logs, touch **Menu**, then touch **View by**.
3. Select a filter type, from **All logs**, **All calls**, **Missed calls**, **Dialed calls**, **Received calls**, **Rejected calls**, **All messages**, **Sent messages**, or **Received messages**.

Deleting Call log records

1. Navigate to a Home screen panel, then touch **Phone** ➔ **Logs**.
2. While viewing the Call log, touch **Menu**, then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check appears in the check box to show marked records.
4. Touch **Delete** to delete marked records.

Tip: You can also delete an individual call record by touching and holding a call record, then selecting **Delete**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. Navigate to a Home screen panel, then touch **Phone** ➔ **Logs**.
2. While viewing the Call log, touch **Menu**, then touch **View call timer**.

   The **View call timer** screen appears showing the **Last call** duration and showing the **Outgoing Calls**, **Incoming Calls**, **Roaming Calls**, **All calls**, **Last Reset** and **Lifetime Calls** duration.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

(For more information, refer to *"Voicemail"* on page 16.)

Section 4: Entering Text

This section describes how to enter words, letters, punctuation, and numbers when you need to enter text. Your phone provides on-screen QWERTY keyboards to support quick and easy text input.

- **Screen keyboard, landscape**

- **Screen keyboard, portrait**

Screen QWERTY Keyboards

Touching the keyboard on the screen enters letters, punctuation, numbers, and other characters into text entry fields or applications. Access a screen keyboard by touching any text entry field.

The screen QWERTY keyboards appear at the bottom of the screen. By default, when you rotate the phone, the screen orientation updates to keep the keyboard at the bottom of the screen.

Screen Keyboard Types

Your phone offers two on-screen QWERTY keyboards:

- **Samsung Keypad** (default): Use the Samsung Keypad to enter text by touching keys on the screen. You can also use XT9 predictive text to match the first few letters you type with words in a dictionary, then you can select a finished word from a list.
- **Swype**: Use the Swype keyboard to enter words by gliding your finger over the on-screen QWERTY keyboard, lifting your finger between words. You can also touch individual keys or use Swype Word Prediction or Voice Recognition.

Changing the Keyboard Type

When entering text, you can select the type of on-screen keyboard you wish to use.

- Touch and hold on a text input field, then select a keyboard type:
  - **Samsung keypad**
  - **Swype**

Using the Samsung Keypad

The Samsung Keypad is a custom screen QWERTY keyboard, featuring predictive text and handwriting recognition. Input characters by touching the on-screen keys with your finger, or trace characters on the screen with your finger.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring the Samsung Keypad

Configure the Samsung Keypad to your preferences.

- While entering text, touch . The **Samsung keypad settings** screen appears in the display.
- For more information, refer to *"Samsung keyboard:"* on page 188.

Note: In Landscape orientation touching the key displays the **Samsung keypad settings**, but in Portrait orientation it also displays **Portrait keypad types**: **Qwerty Keypad**, **3x4 Keypad**, **Handwriting Box 1** and **2**.

Changing the Text Input Mode - Keypad

There are two main text input keys that change the on-screen keys within the Samsung keypad.

The available Text Input modes are: **?123** and **Abc**.

ABC Mode: Activates the default alphabet keys. Can also be set to **ABC** or **abc** by using the shift key ( ).

?123 Mode: Activates the number, symbol, and emoticon keys.

Note: When in **ABC** mode, the **?123** key appears. When in **?123** mode, the **ABC** key appears.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to Landscape orientation.
2. Touch a text input field. The following screen appears in the display:

3. Touch the desired alphabetic characters.
4. To change capitalization to the Abc mode, touch the shift key ( ). The shift key ( )will change to .
5. After typing the first letter, the shift key ( )will change to and additional letters will be lowercase.
6. Touch and hold to input another upper-case letter or touch twice to switch to ABC mode. The shift key will change to in ABC mode. Any additional letters will be uppercase, until you touch the shift key ( ) again.

7. Touch Send to send the message, or touch for more options. (For more information, refer to *"Creating and Sending Messages"* on page 75.)

Using ?123 Mode

Use ?123 Mode to add numbers, symbols, or emoticons.

1. On the Samsung Keypad screen, touch ?123 at the bottom of the screen. The following screen appears in the display:

2. Touch the desired number, symbol, or emoticon characters.
3. Touch the 1/3 button to cycle through additional pages.
4. Touch ABC to return to Abc mode.

Using XT9 Predictive Text

XT9 is a predictive text system that has next-letter prediction and regional error correction, which compensates for users touching the wrong keys on QWERTY keyboards.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Touch at the bottom of the screen. The **Samsung keypad settings** screen displays.
3. Touch the **XT9** field. A green check mark will appear next to the field.
4. Touch the **XT9 advanced settings** field to modify XT9 associated settings. (For more information, refer to *"Samsung keyboard:"* on page 188.)

Note: The XT9 option is available only when Abc mode has been selected.

5. Begin typing a word. A list of word options is displayed. Touch one of the words to replace the word that has already been typed.

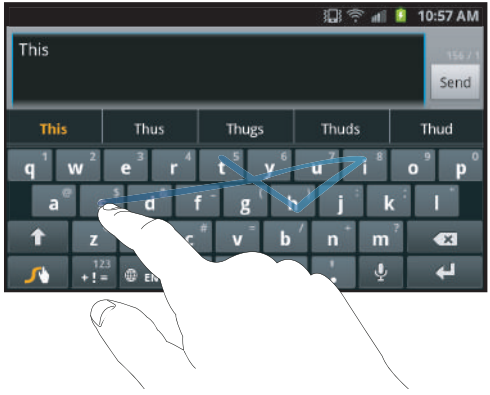
6. Continue typing your message. Touch Send to send the message, or touch for more options. (For more information, refer to *"Creating and Sending Messages"* on page 75.)

Note: You can also use XT9 mode in the portrait orientation.

Using the Swype Keyboard

The Swype keyboard offers a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

This example shows how to enter the word "this". Put your finger down on the "t", and without lifting, glide it to the "h", then to the "i" then over to the "s".



Here are a few tips to get you started:

- **Spacing is automatic**: When you finish a word, just lift your finger and start the next word.
- **Double letters**: Just "scribble" on the key.
- **Capitalization**: Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that isn't at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.
- **Contractions**: Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.
- **Punctuation**: Touch and hold a key to view a punctuation menu and make a selection.
- **Accented characters**: Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.
- **Error correction**: If you make a mistake, double-touch on the word you want to change.

Configuring Swype

Configure Swype to your preferences.

- While entering text, touch and hold . The Swype **Settings** screen appears in the display.
- For more information, refer to *"Swype:"* on page 189.

Swype Help

While entering text, you can get tips and instructions about using Swype.

- Touch and hold the **Swype** key → **Preferences** → **Show tips** to show **Tips**.
- Touch and hold the **Swype** key → **How to Swype** for an interactive tutorial.

Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the symbol or number at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- Touch 123 +!= to switch to Symbol mode, then touch a key.
- Touch 123 +!= ➔ , then touch the corresponding key.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators:

- Touch 123 +!=.

From the Numeric Keyboard, you can switch to an Alphanumeric Keyboard:

- Touch 123 +!=.

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste selected text.

To access the Editing Keyboard:

- Swype from the **Swype** key to the 123 +!= **SYM** key.

Using Swype Speech Recognition

Enter text by speaking. Swype recognizes your speech and enters text for you.

To use Swype Speech Recognition:

- Touch the **Speech Recognition** key.

Section 5: Accounts and Contacts

This section explains how to manage your accounts and contacts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Microsoft Exchange® server and Web interface, and social networking sites such as Hotmail, Yahoo!, Facebook, and Twitter. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts, including Contacts information.

Note: You must register your phone with your social network site before using the phone to access the networks.

With Corporate Exchange and Google accounts you can synchronize Calendar events as well as Contacts.

Tip: For more information on setting up your email, contact your Wireless Provider and your E-mail Service Provider.

For information about setting up other, non-synchronized email accounts, see *"Setting up access to Email accounts"* on page 82.

Adding a Google account

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync**.
2. Touch **Add account** ➔ **Google**.
3. At the **Add a Google Account** screen, touch **Next** to begin, then touch an option:
   - **Existing**: Enter your Google **Username** and **Password**, then touch **Sign In**.
   - **New**: Follow the prompts to create a new account.
4. The phone communicates with the Google server to set up your account. When complete, your Google account appears in the accounts list area of the **Accounts and sync** screen.

Managing a Google account

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync**.
2. Touch your Google account to show the **Sync settings** screen.
3. Under **Data and synchronization**, touch a setting to enable or disable synchronization. When enabled, a check mark becomes highlighted in the check box:
   - **Sync Calendar**: When enabled, synchronizes your Google calendar with your phone.
   - **Sync Contacts**: When enabled, synchronizes your Google contacts with your phone's Contacts.
   - **Sync Gmail**: When enabled, synchronizes your Gmail messages on your phone.
   - **Sync Google Play Books**: When enabled, synchronizes your Google books with your phone.
   - **Sync Google Play Movies**: When enabled, synchronizes your Google movies with your phone.
   - **Sync Internet**: When enabled, synchronizes your browser bookmarks with your Google account backup.

Adding a Microsoft Exchange® account

The **Microsoft Exchange ActiveSync** option lets you directly access a Microsoft Exchange server account.

Note: Before adding a Microsoft Exchange account, obtain the exact server Exchange Domain name from your company's Network Support.

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync**.
2. Touch **Add account** ➔ **Microsoft Exchange ActiveSync**.
3. At the **Add Exchange account** screen, enter your **Email address** and **Password**, then touch , then touch **Next**.
4. At the **Server settings** screen, enter server settings, then touch **Next**. The phone communicates with the server to confirm your account.
5. At the **Account options** screen, select account settings, then touch **Next**.

6. At the **Set up email** screen, enter a name for the account (this name will display on screen), then touch **Done** to complete set-up.

Note: If the **Activate device administrator** screen appears, verify all settings match the values provided by your network support personnel, then touch **Activate**.

7. Your Corporate account appears in the **Manage accounts** area of the screen, and in the Email application.

Managing a Microsoft Exchange account

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync**.
2. Touch your Exchange account to display settings, then touch **Account settings**. The **Account settings** screen appears.
3. Touch **General preferences** to access the following options:
   - **Auto-advance**: Select email screen appears after you delete a message (Newer message, Older message, Message list).
   - **Message preview line**: Select the number of lines of message content to appear in the Message list (None, 1 line, 2 lines, 3 lines).
   - **Email header**: Select the portion of the Email header to appear in the Message list (Subject or Sender).
   - **Confirm deletions**: When enabled, you are prompted to confirm message deletions.
   - **Split view mode**: When enabled, rotating the phone to horizontal orientation causes a message contents window to appear to the right of the Message list.

4. In the **Account settings** screen, under Added accounts, touch your Exchange account to access the following settings:
   - **Common settings**
     - **Account name**: Enter a name to identify the account.
     - **Add signature**: When active, adds pre-composed signature text to send messages.
     - **Signature**: Enter or change signature text.
     - **Default account**: When active, sends email from this account by default.
     - **Always Cc/Bcc myself**: Adds your email address to None of send email messages or to Cc or Bcc field of send email messages.
     - **Forward with files**: When active, includes files originally attached to a message when you forward a copy of it.
   - **Exchange ActiveSync settings**
     - **Period to synch email**: Choose a time period to determine how many days' email will synchronize.
     - **Empty server trash**: Removes deleted files from the email server's trash folder.
     - **Sync schedule**: Choose a frequency for the phone to check the server for new emails.
     - **Out of office settings**: Select whether to send a pre-composed message to originators of Internal and/or External email messages.
     - **Size to retrieve emails**: Select how much of each incoming email message (in Kilobytes or All) to initially download from the email server.
     - **Period to sync Calendar**: Choose a time period to determine how many Calendar days' to synchronize.
     - **Security options**: Set advanced email security options [Encryption, Sign, Sign algorithm, Email (S/MIME) certificate].

– **In case if sync conflict**: Allows you to assign the master source on emails. If there is a conflict with the current email sync you can assign the server as the main source for all emails (**Update to phone**) or assign the phone to be the main source and update the server accordingly (**Update to server**).

– **Auto resend times**: Select the number of times to attempt to resend an undelivered message (No limit, 1 time, 3 times, 5 times, or 10 times).

- **Notification settings**
  – **Email notifications**: Enable or disable display of a new email icon in the Annunciator line when new mail arrives.
  – **Select ringtone**: Assign a ringtone for new email notifications.
  – **Vibration**: Enable or disable vibration with new email notifications.
- **Server settings**
  – **Exchange server settings**: Modify settings for accessing the email server for incoming email messages.
  – **Sync Email**: When active, synchronizes your Exchange email with your phone's email inbox.
  – **Sync contacts**: When active, synchronizes your Exchange contacts with your phone's Contacts.
  – **Sync calendar**: When active, synchronizes your Exchange calendar with your phone's calendar.
  – **Sync task**: When active, synchronizes your Exchange task list with your phone's task list.

5. Under **Data & synchronization**, configure these settings:
   - **Sync Calendar**: When enabled, synchronizes your Exchange contacts with your phone.
   - **Sync Contacts**: When enabled, synchronizes your Exchange contacts with your phone's Contacts.
   - **Sync Email**: When enabled, synchronizes your Exchange email with your phone's email.
   - **Sync Tasks**: When enabled, synchronizes your Exchange tasks with your phone's tasks.

Adding a Facebook account

Note: You must register your phone with Facebook before using the phone to access the site. From your Facebook account, go to Account Settings and follow the "Activate a Phone" registration instructions.

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync** ➔ **Add account** ➔ **Facebook**. The **SNS disclaimer** screen appears.
2. The the disclaimer text and touch **I accept all the terms above**. The check mark changes colors to indicate activation.
3. Enter your Email and Password, then touch Log in.
4. Follow the prompts to complete the set-up.

Adding a LinkedIn account

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync** ➔ **Add account** ➔ **LinkedIn**. The **SNS disclaimer** screen appears.
2. The the disclaimer text and touch **I accept all the terms above**. The check mark changes colors to indicate activation.
3. Follow the prompts to link and synchronize your LinkedIn account with your phone.

Adding a MySpace account

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync** ➔ **Add account** ➔ **MySpace**. The **SNS disclaimer** screen appears.
2. The the disclaimer text and touch **I accept all the terms above**. The check mark changes colors to indicate activation.
3. Follow the prompts to link and synchronize your LinkedIn account with your phone.

Adding a Twitter account

Note: You must register your phone with Twitter before using the phone to access the site. From Twitter.com Settings, follow the instructions in the Mobile area to register your phone.

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync** ➔ **Add account** ➔ **Twitter**. The **SNS disclaimer** screen appears.
2. The the disclaimer text and touch **I accept all the terms above**. The check mark changes colors to indicate activation.
3. Enter your Email and Password, then touch **Log in**.
4. Follow the prompts to complete the set-up.

Contacts

To access Contacts:

- Touch **Home**, then touch **Contacts** ➔ Contacts.

  – or –

  Touch **Home**, then touch **Phone** ➔ Contacts.

Creating Contacts

1. Touch **Home**, then touch **Contacts** ➔ Contacts ➔ .
2. Select a storage location: **Phone**, **Google**, or other account (such as personal or business e-mail).
3. Touch the Select Photo box to choose a picture to identify the contact. (For more information, refer to *"Gallery"* on page 118.)
4. Touch the **Name** field then enter a name for the contact using the displayed keypad. After entering a last name touch to enter a Name prefix, Last Name, Middle name, Family name, and/or Name suffix.
5. Touch the image icon and take or select a photo for this contact. Options are: **Take photo** (see *"Camera"* on page 109) or **Select picture from Gallery** (see *"Gallery"* on page 118).

6. Under **Phone**, touch the label button (for example, **Mobile**) to choose a label from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom** (to create a custom label), or **Callback**, then touch the **Phone number** to enter a phone number.
   - Touch on the QWERTY keyboard to remove a previously entered phone number.
   - Touch to enter an additional phone number
   - Touch to remove a previously entered phone number.
7. Under **Email**, touch the label button (for example, **Work**) to choose a label from **Home**, **Work, Other**, or **Custom** to create a custom label, then touch the **Email address** field to enter an email address. To add another email address, touch .
8. Under **Address**, touch the label button (for example, **Work**) to choose a label from **Home**, **Work, Other**, or **Custom** to create a custom label, then touch the **Address** field to enter a street or mailing address. To add another address, touch .
9. Enter or select additional information such as: **Events**, **Groups**, or **Ringtone**:
   - Touch **Events** to add a Birthday, Anniversary, Other, or Custom event date.
   - Touch **Groups** to assign the contact to a group. (For more information, refer to *"Groups"* on page 71.)
   - The **Ringtone** to select a ringtone to uniquely identify calls from this Contact.
10. Touch **Add another field** to enter additional information about this Contact, such as Phonetic name, Organization, IM (Instant Messaging — AIM, Windows Live, Yahoo, Skype, QQ, Google Talk, ICQ, Jabber, or Custom), Notes, Nickname, Website, and/or Relationship. Select the type of information to add.
11. Touch **Save** to complete and store the new entry.

Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.(For more information, refer to *"Creating or Updating Contacts Using Call Logs"* on page 49.)

Creating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. Touch **Home**, then touch **Phone**.
2. Touch the digits of the phone number on the keypad.
3. Touch **Add to Contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 64.)

Updating Contacts

Make changes to update an existing contact.

1. Touch **Home**, then touch **Contacts**.
2. Touch a contact to view its information, then touch **Edit**.

   – or –

   Touch and hold on a contact, then select **Edit** from the pop-up menu.
3. Continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 64.)

Updating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. Touch **Home**, then touch **Phone**.
2. Touch the digits of the phone number on the keypad.
3. Touch **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. (For more information, refer to *"Creating Contacts"* on page 64.)

Updating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact. (For more information, refer to *"Creating or Updating Contacts Using Call Logs"* on page 49.)

Accounts sync

Use the Accounts option to sync with your accounts. You can choose from an account you've already set up on your phone, or set up a new account.

(For more information about setting up accounts on your phone, see *"Accounts"* on page 58.)

1. Touch **Home**, then touch **Contacts**.
2. Touch **Menu** → **Accounts**.
3. Touch an account.
4. Touch **Sync Now**.

Contacts Display Options

1. Touch **Home**, then touch **Contacts**.
2. Touch **Menu**, then touch **Contacts to display** to set these options:
   - Touch **All contacts** to alphabetically display the combined Contacts on your phone and in your accounts.
   - Touch an account to list contacts alphabetically by Given name or by Last name.
   - Touch **Phone** to alphabetically display the Contacts on your phone.
   - Touch **Customized list** to select which Contacts on your Phone and/or from your accounts will appear in your Contacts list, then touch **Save**.

Linked Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers, plus social networking sites like Facebook, Twitter, and MySpace. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Linking imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact entry. Linking also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Note: Phone contacts are always the primary contact for linking. You can link imported contacts to a Phone contact, but the Phone contact will always display; the imported contact will show as the linked contact.

Joining contacts

1. Touch **Home**, then touch **Contacts**.
2. Touch a contact to display its information.
3. Touch **Menu**, then touch **Join contact**.
4. Touch another contact record to join it to the selected contact.

Separating joined contacts

1. Touch **Home**, then touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display joined contacts.
4. Touch a contact to separate it.

Sending Namecards

You can send a contact's information as a namecard over a Bluetooth connection to another Bluetooth device, or as an attachment to a Gmail message.

Important! Not all Bluetooth devices will accept contact information. Check the target device's documentation.

Sending a Namecard

1. Touch **Home**, then touch **Contacts**.
2. Touch a contact to display its information.
3. Touch **Menu**, then touch **Share namecard via**.
4. At the prompt, choose a sending method, then follow the prompts to send the namecard:
   - **Bluetooth**: For more information, refer to *"Bluetooth"* on page 124.
   - **Email**: This option appears only if you define an Email account to your phone using **Email**. (For more information, refer to *"Composing and Sending Email"* on page 84 and *"Email"* on page 82.)
   - **Gmail**: For more information, refer to *"Composing and Sending Gmail"* on page 80.
   - **Messaging**: For more information, refer to *"Creating and Sending Messages"* on page 75.
   - **Wi-Fi Direct**: For more information, refer to *"Wi-Fi Direct"* on page 129.

Exporting and Importing Contacts

You can send multiple contacts' information as namecards over Bluetooth or Wi-Fi Direct connections to other devices, or as attachments to Email or Gmail messages.

Important! Not all Bluetooth devices will accept contacts, and of those that do, not all devices support transfers of multiple contacts. Check the target device's documentation.

1. Touch **Home**, then touch **Contacts**.
2. Touch **Menu**, then touch **More** → **Import/Export** → **Send namecard via**.

3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. The check mark(s) become(s) highlighted in the check box(es) for marked contact(s).
4. Touch .
5. Follow the prompts to send the namecards. (For more information, refer to *"Bluetooth"* on page 124.)

Favorites

Mark existing contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone keypad, for fast dialing or messaging, and are indicated by the ★ in Contacts.

Creating Favorites

1. Touch **Home** ➔ **Contacts** ➔ **Favorites**.
2. Touch **Menu**, then select **Add to favorites** from the pop-up menu.
3. Touch the Contact(s) you wish to add to your Favorites list. When enabled, the check mark becomes highlighted in the check box next to this option.
4. Touch to save your selections.

My Profile

My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. Touch **Home**, then touch **Contacts**.
2. Under **ME**, touch **Set up profile** to display your **My local profile** information.
3. To add information to your profile, see *"Creating Contacts"* on page 64.

Sending My Profile

You can send My Profile as a vCard via Bluetooth or Wi-Fi Direct to other devices, or as an attachment to a Gmail.

1. Touch **Home**, then touch **Contacts**.
2. Under **ME**, touch **Set up profile** to display your **My local profile** information.
3. Touch **Menu**, then touch **Share namecard via**.
4. Choose a sending method, **Bluetooth**, **Email**, **Gmail**, **Messaging**, or **Wi-Fi Direct**, then follow the prompts to send the profile. (For more information, refer to *"Sending Namecards"* on page 69.)

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.

Accessing Groups

- touch **Home**, then touch **Contacts** ➔ **Groups**.

Creating a New Group

1. touch **Home**, then touch **Contacts** ➔ **Groups**.
2. Touch **Menu**, then touch **New**.
3. Touch the **Group name** field to enter a Group name.
4. Touch **Group ringtone** to choose a ringtone for calls from members of this group. Touch **Default**, **Ringtones**, or **Go to My files** to select a new ringtone.
5. Touch to save the new group.

Editing a Group

1. touch **Home**, then touch **Contacts** → **Groups**.
2. Touch a Group to display it.
3. Touch **Menu**, then touch **Edit**.
4. Touch the **Group name** field to change the Group Name.
5. Touch **Group ringtone** to choose a ringtone for calls from members of this group. Touch **Default**, **Ringtones**, or **Go to My files** to select a new ringtone.
6. Touch to save the changes.

Deleting a Group

1. touch **Home**, then touch **Contacts** → **Groups**.
2. Touch **Menu**, then touch **Delete**.
3. Touch a Group to mark it for deletion, or touch **Select all** to mark all Groups. When selected, the check mark becomes highlighted in the check box.
4. Touch to delete the Group(s).
5. Touch **Group only** or **Group and group members**.

Adding Contacts to a Group

Tip: You can also add a Contact to a Group when you create the Contact. (For more information, refer to *"Creating Contacts"* on page 64.)

1. touch **Home**, then touch **Contacts** → **Groups**.
2. Touch a **Group** to display it, then touch .
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all Contacts. When enabled, the check mark becomes highlighted in the check box next to this option.
4. Touch to add the selected Contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. (For more information, refer to *"Updating Contacts"* on page 66.)

1. Touch **Home**, then touch **Contacts** → **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu**, then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When enabled, the check mark becomes highlighted in the check box next to this option.
5. Touch to remove the selected contact(s).

Sending a Message to Group Members

1. Touch **Home**, then touch **Contacts** → **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu**, then touch **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message, then touch .
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. (For more information, refer to *"Creating and Sending Messages"* on page 75.)

Speed Dials

Speed Dials are 1-digit shortcuts (1 to 9) you assign to contacts, to allow you to quickly call the contact.

Note: Some Speed Dials are reserved by default, and cannot be assigned:
Speed Dial 1 is reserved for Voicemail.

Assigning Speed Dials

1. Touch **Home**, then touch **Contacts**.
2. Touch **Menu**, then touch **Speed dial setting**. An array of speed dial numbers appears in the display.
3. Touch a speed dial, then touch a Contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. Touch **Home**, then touch **Contacts**.
2. Touch **Menu**, then touch **Speed dial setting**. An array of speed dial numbers appears in the display.
3. Touch **Menu**, then touch an option:
   - **Change order**: Touch and hold a speed dial, then drag it to a new location in the list.
   - **Delete**: Touch a speed dial to remove it.
4. Follow the prompts to select the desired speed dial(s).
5. Touch to save your changes or deletions.

Section 6: Messaging

This section describes how to send and receive messages, and how to use other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures and/or sound to other mobile phones or email addresses (also known as MMS).
- **Email**: Send and receive email from your email accounts, including Microsoft Exchange email.
- **Gmail**: Send and receive Gmail from your Google account.
- **Google Talk**: Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Contact your Wireless Provider for more information.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages to other mobile phones and to email addresses.

Creating and Sending Messages

1. Navigate to a Home screen panel, then touch **Messaging** ➔ .
2. To enter recipient numbers or email addresses, touch the **Enter recipient** field.

   – or –

   To select recipients from the following lists, touch :

   - **Contacts**: to select a recipient from your Contacts list (valid entries must have a wireless phone number or email address).
   - **Logs**: to select a recipient from a list of recently sent messages.
   - **Groups**: to select a recipient from the Group list.
   - **Favorites**: to select one or more recipients from a list of contact Favorites (valid entries must have a wireless phone number or email address).

3. To add a recipient from either Contacts, Recent, Groups, or Favorites, touch each contact to place a check mark then touch **Add**. The selected contact(s) display in the recipient field.

   If you have more than one recipient, the same text message is sent to all recipients in the **Enter recipient** field.

Note: To delete a recipient from the list, touch the recipient, then touch **Delete** in the pop-up.

4. To compose message text, touch the **Tap to enter message** field. While composing a message, touch **Menu** for these options:
   - **Insert smiley**: Add a smiley character set from a pop-up array.
   - **Call**: Call the recipient, if the recipient's phone number is entered. (For more information, refer to *"In-Call Options"* on page 47.)
   - **Add text**: Add text items from sources such as: Location, Contacts, Calendar, Memo, and Task.
   - **Add to Contacts**/**View contact**: Add entered number as a Contact or display the recipient Contact(s) information.
   - **Add slide**: Add another message content entry field.
   - **Add subject**: Add a subject field to the message and enter a subject. [This option converts your SMS (Text) message to an MMS (Multimedia) message.]
5. To attach any of the following items to your message [and automatically convert it from SMS (Text) to an MMS (Multimedia) message], touch :
   - **Images**: Add an existing picture.
   - **Take picture**: Take a new picture.
   - **Video**: Add an existing video.
   - **Record video**: Record a new video.
   - **Audio**: Add an existing sound clip.
   - **Record audio**: Create a new audio clip.
   - **Contacts**: Add one or more contact name cards.
   - **Calendar**: Add one or more calendar events.
   - **Memo**: Add Memo text.
   - **Task**: Add Task information.
6. To send your message, touch Send.

Note: If you exit a message without touching Send, the message is automatically saved as a Draft.

Managing Messages

Threaded View

Messages you send and receive to the same Contact, number, or address are grouped together as a "thread". Threaded messages allow you to see all the messages you exchanged with a Contact or other recipient, with the latest message displayed first.

1. Navigate to a Home screen panel, then touch **Messaging**.
2. Message threads display by contact, number, or address. While viewing the list of message threads, you have these options:
   - Touch and hold a thread to choose from:
     - **View Contact / Add to contacts**: View the contact record, or save the sender/recipient's information as a new contact, or to update an existing contact.
     - **Delete thread**: Erase the entire message thread.
   - Touch **Menu** for these options:
     - **Search**: Enter characters to search messages and recipient lists.
     - **Settings**: Configure message settings.
     - **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.

Message Settings

Configure message settings.

1. Navigate to a Home screen panel, then touch **Messaging**.
2. Touch **Menu**, then touch **Settings** to set:
   - **Message font size**: Choose the message text font size, Normal, Small, or Tiny.
   - **Split view**: Enables the phone to display a split view screen (message thread list on the left, selected thread content on the right) when the phone is in landscape view.
   - **Storage settings**:
     - **Delete old messages**: Touch to enable or disable automatic erasure of messages when stored message reach default limits. When disabled, the phone will prompt you to delete old messages to make room.
     - **Text message limit**: Touch to set a limit for the number of text messages per thread.
     - **Multimedia message limit**: Touch to set a limit for the number of multimedia messages per thread.
   - **Text message (SMS) settings**:
     - **Delivery reports**: Request report of delivery date and time for all messages sent.
   - **Multimedia message (MMS) settings**:
     - **Delivery reports**: Request report of delivery date and time for all messages sent.
     - **Auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages. When enabled, MMS messages download automatically. When disabled, the phone prompts to download new MMS messages.
     - **Roaming auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages when in Roaming mode. When enabled, MMS messages download and display automatically. When disabled, the phone prompts you to download new MMS messages.

- **Notification settings**:
  - **Notifications**: Touch to enable or disable alerts in the status bar.
  - **Screen On**: Touch to enable/disable screen notifications.
  - **Select ringtone**: Touch to select a ringtone for message alerts.
  - **Vibrate**: Touch to enable or disable vibration for message alerts.
- **Signature**:
  - **Enable Signature**: Touch to enable or disable including signature text in your messages. (Also enables **Signature Text**.)
  - **Signature Text**: Touch to enter, edit, or replace signature text to be included in your messages.

Gmail

Send and receive emails via Gmail, Google's web-based email.

- Navigate to a Home screen panel, then touch **Applications** → **Gmail**.

Configuring Your Gmail Account

Set up your Google account to synchronize contacts, calendars, and allow access to Gmail. (For more information, refer to *"Adding a Google account"* on page 58.)

Refreshing Your Gmail Account

Refresh your account to update your phone from the Gmail servers.

1. Navigate to a Home screen panel, then touch **Applications** → **Gmail**.
2. Touch **Refresh**.

Composing and Sending Gmail

1. Navigate to a Home screen panel, then touch **Applications** → **Gmail**.
2. Touch **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose email** to enter the text of your email.
6. While composing a message, touch **Menu** for these options:
   - **Attach file**: Launch Gallery to select a picture to add to the message.
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Save draft**: Close the message and save it in Drafts
   - **Discard**: Close the message without saving.
   - **Settings**:
   - **Help**: Show help information.
   - **Send feedback**: Send feedback about Gmail to Google, Inc.
7. Touch **Send** to send the message.

Gmail account settings

1. Navigate to a Home screen panel, then touch **Applications** → **Gmail**.
2. Touch **Menu**, then touch **More** → **Settings** → **General settings**:
   - **Confirm before deleting**: Enable/disable prompting you to confirm message/thread deletion.
   - **Confirm before archiving**: Enable/disable prompting you to confirm message/thread archiving
   - **Confirm before sending**: Enable/disable prompting you to confirm message sending.
   - **Reply all**: Enable/disable "Reply all" as default response to all messages.
   - **Auto-advance**: Select which screen appears after you delete or archive a conversation.
   - **Message text size**: Select Tiny, Small, Normal, Large, or Huge text size.
   - **Hide checkboxes**: When enabled, replaces touching to mark messages/threads in a list with touching and holding to select those messages/threads.

- **Message Actions**: Allows you to configure how to display message actions. Choose from: Always show, Only show in portrait, and Don't show.
- **Clear search history**: Remove previous searches you have performed.
- **Hide pictures in messages**: Enable to not show pictures automatically.

3. Select an account (from within the Account list) and choose from one of the following options:
   - **Priority Inbox**: When enabled, your Gmail account becomoes your default inbox.
   - **Email notifications**: When enabled, notifications for new email appears in the Notifications Panel.
   - **Ringtone & vibrate**: Select an Email notification ringtone; select whether to vibrate Always, Only in silent mode, or Never; and/or whether to Notify once for new messages instead of for every new message.
   - **Signature**: Create a text signature to add to outgoing messages.
   - **DATA USAGE**:
     - **Gmail sync is ON**: Change this account's sync settings or remove this account.
     - **Days of mail to sync**: Selct how many days (1 – 999) of messasges for this account to synchronize with your phone.
     - **Manage labels**: Choose notification preferences for synched labels.
     - **Download attachments**: When enabled, automatically downloads message attachments when your phone is connected to a Wi-Fi hotspot.

Google Talk

Chat with other Google Talk users.

Tip: Talk requires that you have a Google account. Use the Gmail application to set up your Google account on your phone. (For more information, refer to *"Adding a Google account"* on page 58.)

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Talk**.
2. If you have already set up your Google account, you are automatically logged in. If you do not have a Google account, you can touch **Create** to create a new Google account.
3. Use the application's controls to chat with other Google Talk users.

Email

Send and receive email using popular email services.

Note: Only some paid "Plus" accounts include POP access to allow this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid "Plus" account. Please launch **Internet** to access your account.

Tip: For more information on setting up your email, contact your Wireless Provider and your Email Service Provider.

Setting up access to Email accounts

You can set up access to most Email accounts in just a few steps. (For Microsoft Exchange accounts, see *"Adding a Microsoft Exchange® account"* on page 59.)

Setting up the first Email account

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Email**. If you have not set up access to an email account, the **Set up email** screen appears.
2. In the **Email address** field, enter your Email address.

3. Touch the **Password** field, then enter your Email account password.
4. Touch **Done** ➔ **Next**. The phone communicates with the server to confirm your account.
5. Touch **Done**. The phone attempts to communicate with the server to confirm your account.
   - If communication is successful, follow the prompts to complete set-up, then touch **Done** and a list of the messages in your Inbox appears.
   - If communication fails, you are prompted to indicate the type of email account you have. Touch **Manual setup** ➔ **POP3 account**, **IMAP account** or **Microsoft Exchange ActiveSync**, then enter the account details. (For Microsoft Exchange ActiveSync details, For more information, refer to *"Adding a Microsoft Exchange® account"* on page 59.)

Setting up additional Email accounts

1. Touch **Home** ➔ **Menu**, then touch **Settings** ➔ **Accounts and sync**.
2. Touch **Add account**, then touch **Email**. The **Set up email** screen appears.
3. In the **Email address** field, enter your Email address.
4. Touch the **Password** field, then enter your Email account password.
5. Touch **Done** ➔ **Next**. The phone attempts to communicate with the server to confirm your account.
   - If communication is successful, follow the prompts to complete set-up, then touch **Done** and a list of the messages in your Inbox appears.
   - If communication fails, you are prompted to indicate the type of email account you have. Touch **Manual setup** ➔ **POP3 account**, **IMAP account** or **Microsoft Exchange ActiveSync**, then enter the account details.

Tip: For more information on setting up your email, contact your Wireless Provider and your Email Service Provider.

Composing and Sending Email

1. Navigate to a Home screen panel, then touch **Applications** → **Email**.
   If you have set-up more than one Email account, select one of them.
2. Touch **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch the text field to enter the text of your email.
6. While composing a message, touch **Menu** for these options:
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Save as draft**: Close the message and save it in Drafts.
   - **Discard**: Erases the current message.
   - **Priority**: Assign a priority status to this message.
   - **Tracking options**: Lets you select to receive Read receipt and/or Delivery receipt messages for messages you send.
   - **Security options** (MS Exchange ActiveSync accounts only): Allows you to assign security options to the current message. Choose from Encryption and/or require a Signature. (For more information about MS Exchange accounts, see *"Adding a Microsoft Exchange® account"* on page 59.)
7. Touch the email text field and compose your email message.
   - To add an attachment (such as image, video, audio, etc.), touch **Attach** (from the bottom of the screen) and make a category selection.
     - Touch the file you wish to attach.
     - Touch to delete the attached file.
   - To insert a Gallery, Contacts, Location, Calendar, and Memo item, touch **Insert** and make a selection.
     - Touch the file you wish to attach.

Note: If you attach an image to your email, you have the option to resize it prior to delivery. Choose from: Original, Large (70%), Medium (30%), or Small (10%). Once chosen, touch **OK**.

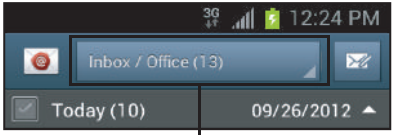
8. Once complete, touch **Send**.

Managing Emails

Combined Inbox

Emails you receive to all accounts are presented in the combined Inbox, or you can view email accounts individually.

1. Navigate to a Home screen panel, then touch **Applications** → **Email**.
   - If you have already set up access to one email account, a list of the messages in your Inbox appears. Touch the account ID button in the upper left portion of the screen, the **Accounts** list appears.



Account ID button

   - If you have already set up access to two or more email accounts, the **Accounts** list appears.
2. Touch an account, or touch **Combined view**.

Refreshing Your Email Account

Refresh your account to update your phone from the servers.

1. Navigate to a Home screen panel, then touch **Applications** → **Email**.
2. Touch **Menu**, then touch **Refresh**.

Email Account Settings

Use Account settings to configure handling of email from your accounts.

Note: These are basic settings for most accounts. Some email accounts may have additional settings.

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Email**.
2. Select the email account you want to manage. (For Microsoft Exchange accounts, see *"Managing a Microsoft Exchange account"* on page 60.)
3. Touch **Menu** ➔ **Account settings** ➔ **General preferences** to access the following options:
   - **Auto-advance**: Select email screen appears after you delete a message (Newer message, Older message, Message list).
   - **Message preview line**: Select the number of lines of message content to appear in the Message list (None, 1 line, 2 lines, 3 lines).
   - **Email header**: Select the portion of the Email header to appear in the Message list (Subject or Sender).
   - **Confirm deletions**: When enabled, you are prompted to confirm message deletions.
   - **Split view mode**: When enabled, rotating the phone to horizontal orientation causes a message contents window to appear to the right of the Message list.

4. Touch **Menu** ➔ **Account settings**, then touch the desired account to access the following options:
   - **Common settings**
     - **Account name**: Enter a name to identify the account.
     - **Your name**: Enter a name as it will appear in email messages you send.
     - **Add signature**: When active, adds pre-composed signature text to send messages.
     - **Signature**: Enter or change signature text.
     - **Default account**: When enabled, sends email from this account by default.
     - **Always Cc/Bcc myself**: Adds your email address to None of send email messages or to Cc or Bcc field of send email messages.
     - **Forward with files**: When enabled, includes files originally attached to a message when you forward a copy of it.
   - **Data usage**
     - **Sync Email**: When enabled, automatically synchronizes the contents of your email account inbox with your phone.
     - **Email check frequency**: Choose how often your phone will check your email account for new messages.
     - **Auto resend times**: Select the number of times to attempt to resend an undelivered message (No limit, 1 time, 3 times, 5 times, or 10 times).
   - **Notification settings**
     - **Email notifications**: Enable or disable display of a new email icon in the Annunciator line when new mail arrives.
     - **Select ringtone**: Assign a ringtone for new email notifications.
     - **Vibration**: Enable or disable vibration with new email notifications.

- **Server settings**
  - **Incoming settings**: Modify settings for accessing the email server to view incoming email messages.
  - **Outgoing settings**: Modify settings for accessing the email server to send email messages.

Section 7: Web and Social Networking

Internet

Your phone is equipped with a full HTML browser, which allows you to access the internet.

- Navigate to a Home screen panel, then touch **Applications** → **Internet**.

Internet Features

Command Keys

- Touch **Back** to return to the previous page.
- To go forward, touch **Menu** → **Forward**.

Zoom In – Zoom Out

- To zoom in on a page, with your thumb and index finger pressed together, touch the screen and drag your fingers apart.
- To zoom out from a page, with your thumb and index finger separated, touch the screen with both fingers and drag your fingers together.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to display the on-screen QWERTY keypad to enter text.

Selecting items on a page

While browsing pages, use gestures and menus to navigate links on pages:

- Touch an item or hyperlink to select it.
- Touch and hold on a hyperlink for these options:
  - **Open**: Go to the linked page.
  - **Open in new window**: Open a new window to display the linked page.
  - **Save link**: Save the linked page to Download history.
  - **Copy link URL**: Save the link's URL to the clipboard.
  - **Save image** (link with image only): Save the selected image to your phone.
  - **Copy image** (link with image only): Save the selected image to your phone's clipboard for pasting into a message or other field.
  - **View image** (link with image only): Show the selected image by itself.

- **Set as wallpaper** (link with image only): Save the selected image and set it as the Home screen wallpaper.

Entering a URL

Access a web site quickly by entering the URL.

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Internet**.
2. Touch the **URL** field at the top of the screen, then enter the URL using the on-screen QWERTY keypad.
3. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL.
4. Touch **Go** to load the page.

Using Internet Windows

You can have up to eight windows open at one time, switching between windows.

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Internet**.
2. To open a new window, touch **Menu** ➔ **New window**.
3. To switch to another open window, touch **Menu** ➔ **Windows**. Touch a window to display it.
4. To close a window, touch **Menu** ➔ **Windows**. Touch **Close** beside a window to close it.

Using Bookmarks

While browsing, bookmark a site to quickly access it in the future.

Creating a bookmark

Create a bookmark to a page, for later browsing.

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Internet**.
2. Browse to the desired web site, then touch ➔ **Bookmarks** next to the **URL** field. The **Bookmarks** screen appears.
3. Touch **Add bookmark** to add the bookmark. The **Add bookmark** screen appears.
4. Confirm the Name and Address for the bookmark.
5. To save the bookmark, touch **Save**.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Internet**.
2. Touch ➔ **Bookmarks** next to the **URL** field.
3. Touch the **Bookmarks** tab, the following options are available:
   - Touch a bookmark to load the page.
   - Touch and hold on a bookmark for these options:
     - **Open**: Launch the bookmarked page.
     - **Open in new window**: Open the linked page in a new window.
     - **Edit bookmark**: Modify the URL.
     - **Add shortcut to Home**: Create a bookmark on the Home screen.
     - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Messaging, Social Hub, or Wi-Fi.
     - **Copy link URL**: Save the link's URL to the clipboard.
     - **Delete bookmark**: Remove the bookmark.
     - **Set as homepage**: Assign the bookmarked link as the home page.
   - Touch **Menu** ➔ **List view** to view bookmarks as a list.

4. Touch the **Most visited** tab, the following options are available:
   - Touch a page to reload it.
   - Touch the star next to a page to bookmark it.
   - Touch and hold on a page for these options:
     - **Open**: Launch the web page.
     - **Open in new window**: Launch the web page in a new window.
     - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
     - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Messaging, Social Hub, or Wi-Fi.
     - **Copy link URL**: Copy the page's URL to the clipboard for pasting.
     - **Remove from history**: Remove the record of this page.
     - **Set as homepage**: Set this page as the default first page when opening Internet.

5. Touch the **History** tab, the following options are available:
   - Touch a page to load it.
   - Touch the star next to a page to bookmark it.
   - To clear the history, touch **Menu** → **Clear history**.
   - Touch and hold on a page for these options:
     - **Open**: Launch the web page.
     - **Open in new window**: Launch the web page in a new window.
     - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
     - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, Messaging, Social Hub, or Wi-Fi.
     - **Copy link URL**: Copy the page's URL to the clipboard to paste in another location.
     - **Remove from history**: Remove the record of this page.
     - **Set as homepage**: Set this page as the default first page when opening Internet.

Copying Fields or Text

Copy information from a web page to the clipboard for pasting.

Copying a hyperlink or URL

1. Navigate to a Home screen panel, then touch **Applications** → **Internet**.
2. Browse to the desired web site.
3. Touch and hold on a hyperlink or URL for these options:
   - **Open**: Display the linked page in the current browser window.
   - **Open in new window**: Display the linked page in an additional browser window.
   - **Save link**: Save the linked page to Download history.
   - **Copy link URL**: Save the link's URL to the Internet clipboard.
   - **Select text**: Highlight the link text for re-use or sharing.

Browser Menu

While viewing a web page, touch **Menu** for these options:

- **Refresh**: Reload and display this web page.
- **Forward**: Display the next web page in your current session.
- **New window**: Open an additional browser window.
- **New incognito tab**: Open an additional browser window that blocks requests for information from your device.
- **Add bookmark**: Save the URL for this page as a new browser bookmark.
- **Add shortcut to home**: Save the URL for this page as the home page for your browser.
- **Share page**: Share this page's URL using Bluetooth, Email, Gmail, Messaging, Social Hub, or Wi-Fi Direct.
- **Find on page**: Search for matching text on current web page.
- **Desktop view**: Displays web pages as on a desktop machine.
- **Save for offline reading**: Save this web page for later viewing
- **Brightness and color**: Select brightness (Automatic or manual) of the Browser screen, and select the color level for power saving.
- **Downloads**: View a list of downloads. While viewing downloads, touch **Menu** for access to **Sort by size** / **time** commands.

- **Print**: Print the current web page over a Bluetooth connection to a Samsung printer.
- **Settings**: Customize the Browser (see *"Browser Settings"*).

Browser Settings

1. Navigate to a Home screen panel, then touch **Applications** → **Browser**.
2. Touch **Menu** → **Settings**:
   - **General**:
     - **Set home page**: View and set the default first page that displays when you launch Browser.
     - **Form auto-fill**: When enabled, automatically inserts stored data into Web forms with a single touch.
     - **Auto-fill text**: Enter your Full name, Company name, and Address for automatically inserting into Web forms.

- **Privacy and security**:
  - **Clear cache**: Delete content and databases stored on the phone.
  - **Clear history**: Delete the list of previously-visited pages.
  - **Show security warnings**: When enabled, Browser will warn you if there is a problem with a site's security.
  - **Accept cookies**: When enabled, allows Browser to save and read cookie information used by web pages.
  - **Clear all cookie data**: Delete cookie information saved to the phone.
  - **Remember form data**: When enabled, stores information you enter into forms to make future forms easier.
  - **Clear form data**: Deletes saved form information.
  - **Enable location**: When enabled, sites you visit can request access to your location.
  - **Clear location access**: Clear location access for all web sites.
  - **Remember passwords**: When enabled, saves user names and passwords for sites you visit, to make future visits easier.
  - **Clear passwords**: Clear all saved user names and passwords.
- **Accessibility**:
  - **Force zoom**:
  - **Scale text up and down**:
  - **Zoom amount on double tap**:
  - **Minimum font size**:
  - **Inverted rendering**:
  - **Contrast**:
- **Advanced**:
  - **Select search engine**: Select your default search engine (Google, Yahoo!, or Bing).
  - **Open in background**: When enabled, new windows open behind the current window.
  - **Enable JavaScript**: When enabled, Browser will automatically run JavaScript scripts on pages you visit.
  - **Enable plug-ins**: When enabled, Browser will automatically load and run plug-ins on pages you visit.
  - **Default storage**: Select where Browser stores files.
  - **Website settings**: View and manage settings for individual webs it es.
  - **Default zoom**: Choose a default zoom level for web pages.

– **Open pages in overview**: When enabled, displays an overview of newly-opened pages.
– **Auto-fit pages**: When enabled, the browser automatically sizes web pages to fit your phone's display.
– **Block pop-ups**: When enabled, blocks pop-up windows.
– **Text encoding**: Choose a default character set for web pages.
– **Reset to default**: Clear all browser data and reset all settings to the factory defaults.

• **Bandwidth management**:
– **Preload search results**: Choose whether to Never pre-load the first few web pages matching search criteria, pre-load them Only via Wi-Fi, or pre-load them always.
– **Load images**: When enabled, loads web page images with the page text.

• **Labs**:
– **Quick controls**: When enabled, touch either side of the browser window to display Quick controls and to hide the browser and URL bars at the top of the window.
– **Full screen**: When enabled, hides the Status bar at the top of the screen.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. (For more information, refer to *"Location services"* on page 182.)

You can locate selected friends and share your location with them using Latitude. (For more information, refer to *"Latitude"* on page 136 and to *"Maps"* on page 96.)

■ Navigate to a Home screen panel, then touch **Applications** ➔ **Maps**.

Navigating the Map

Zooming

- Double-touch on the screen to zoom in.
- Touch Zoom in or Zoom out.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch and Touch and hold

- **Touch and hold** on an area of the map to display pop-up information about the location.
- **Touch** a pop-up for these options:
  - **What's nearby**: Display nearby points of interest.
  - **Search nearby**: Enter search criteria to find nearby points of interest.
  - **Share this place**: Send this location to others using Social Hub, Messaging, Wi-Fi, Bluetooth, Gmail, or Email.
  - **Report a problem with the map**: Send an error report to Google Maps.

Maps Menu

1. Navigate to a Home screen panel, then touch **Applications** → **Maps**.
2. Locate the top row of the application screen to access additional options:
   - Touch Maps to access the following options:
     - **Map**: Returns you to the Map view.
     - **Local**: Provides access to the places menu where you can quickly locate a business or person, find out more information about a business, see coupons, public responses, and more. Locate and touch one of the listed places (Restaurants, Cafes, Bars, Attractions, or More categories.) A list of places within this category displays.
     - **Navigation**: Get driving, public transport, or walking directions.
     - **Offers**: Lets you enable display of offers from locations on the map.
     - **My Places**: Synchronize your starred map items with Google maps.
     - **Latitude**: View your friend's locations and share your location with them.
     - **Location history**: Lets you track and display your previous locations.

- **My location**: Rotate the map 90 degrees and indicate your location with a flashing arrow.
- **Search Maps**: Search for a place of interest.
- **Directions**: Get driving, public transport, or walking directions.
- **Local**: Provides access to the places menu where you can quickly locate a business or person, find out more information about a business, see coupons, public responses, and more. Locate and touch one of the listed places (Restaurants, Cafes, Bars, Attractions, or More categories.) A list of places within this category displays.

- **Layers**: Switch map views:
  - **Traffic**: (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.
  - **Satellite**: Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.
  - **Terrain**: combines a topographical view of the area's terrain with the current map location.
  - **Transit Lines**: displays the overlapping transit lines on your map.
  - **Latitude**: Enable / disable the Latitude app.
  - **My Maps**: displays a list of your preferred maps.
  - **Bicycling**: displays the overlapping cycling trails on your map.
  - **Wikipedia**: displays any Wikipedia markers and info on your map.

3. While viewing a map, touch **Menu** for these options:
   - **Clear Map**: Remove all your selected locations and settings from the current map.
   - **Make available offline**: Select a portion of the current map and save it on your device.
   - **Settings**:
     - **Display**: Select whether to display Zoom Buttons, a Scale Bar, or a Get directions button.
     - **Offline and cache**: Provides the ability to setup maps that are cached into the phone's memory (while not on a Wi-Fi connection) or to clear the cache of map titles.
     - **Location settings**: Select values for Location reporting and sharing (through the Latitude app) settings.
     - **Switch Account**: Select another Google account. (Requires that you have more than one Google account linked to your phone.)
     - **Labs**: A testing ground for experimental features that are not ready to use publicly.
     - **What's New**: Launches the Play Store information page for this app, showing whether an update is available.
     - **About**: Displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
     - **Feedback**: Send your opinions of, and experiences with, Maps to Google, Inc.
     - **Terms, Privacy & Notices**: Displays the Terms and Conditions, Privacy Policy, or Legal Notices information. Select the desired information from the pop-up menu.
   - **Help**: Access online Google Maps help.

YouTube

View and upload YouTube videos, right from your phone.

- Navigate to a Home screen panel, then touch **Applications** → **YouTube**.

Section 8: Music

Play Music

Google Play Music, allows you to browse, shop, and playback songs purchased from Google Play Store. Music also plays any music you store on your phone. Music you choose from Play Store is automatically stored in your on-line Google Music library and is instantly ready to play or download.

Important! Before launching Play Music for the first time, link your Google account with your phoone. (For more information, refer to *"Your Google™ Account"* on page 17.)

Registration

1. From the Home screen, touch **Applications** ➔ **Play Music**. The **Ways to add music** screen appears.
2. Touch **OK**. The **Google Play** screen appears.
3. To register with Google Play Store, touch . The Play Store **Music** screen appears.
4. Select your first song, then touch the price (below the song title).
5. Follow the prompts to register a payment method.

Playing music

The Music application contains a music player that plays music and other audio files that you obtain from Google Music or copy from your computer.

1. From the Home screen, touch **Applications** ➔ **Play Music**.

   Play Music searches both your online Google Music library and your device's internal storage for music and playlists. Play Music lists your music, organized by Playlist.
2. Swipe left or right to browse through your available music categories: **PLAYLISTS**, **RECENT**, **ARTISTS**, **ALBUMS**, **SONGS**, or **GENRES**.
3. To begin playback, touch on a Playlist, Artist, Album, or Song then touch **Play**.
4. Return to the Library screen from most other screens in the Music application by touching at the top-left of the Application bar.

Searching for and Playing Music in Your Library

1. From the Home screen, touch **Applications** ➔ **Play Music** ➔ **Search** to search through your available songs.
2. Type the first few characters in a name of an artist, album, song, or playlist.

   Matching songs are displayed in a list below the search box.
3. To play a matching song, touch it.

   To play a matching album, artist, or playlist, touch on the album, artist, or playlist, then touch **Play**.

   The **Now playing** screen opens and the song you touched or the first song in the album or playlist starts to play. The tracks in the current list play in order until you reach the end of the list (unless you choose the Repeat option). Otherwise, playback stops only if you stop it, even when you switch applications.

Note: If you navigate away from the **Now playing** screen in the Music application, the Now Playing bar appears at the bottom of the screen.

4. To view the songs in an playlist, album, or artist, touch it.

Options for Songs and Albums

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Touch on an album or song. The following options are available:
   - **Play**: Play the song.
   - **Add to queue**: Add the song to the playback queue.
   - **Add to playlist**: Add the song to a new playlist or an existing playlist.
   - **More by artist** (Artist only): List all of your music by this artist.
   - **Shop for artist**: Shop for additional albums or songs by the same artist as this song.
   - **Rename** (Playlist only): Change or replace the name of this Playlist.
   - **Delete**: Erase the song.

Listening to Music

You can listen to music by using your device's built-in speakers, through a wired headset, or through a wireless Bluetooth stereo headset.

Press the volume keys on the side of the device to activate on-screen volume control, then touch and drag on the scale to set volume.

Displaying the Now Playing Screen

If you navigate away from the **Now playing** screen, to return to the **Now playing** screen from other Music screens:

- Touch the name of the current song in the Now Playing bar.

  – or –

  Touch (**Music notification icon**) in the System bar, and in the Status Details opens, touch the song title. You can also pause and resume playback and skip to the next or previous song in the panel.

The **Now playing** screen contains several buttons that you can touch to control the playback of songs, albums, and playlists:

Touch to go back to the previous song. Touch and hold to scan backward through the current song.

Touch to resume playback

Touch to pause playback.

Touch to advance to the next song. Touch and hold to scan forward through the current song.

Options While Playing a Song

When you play a song, the **Now playing** screen displays. There are various options and controls available while a song is playing:

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Touch the **Now playing** screen to display the following options:
   - **Show options**: The following additional buttons appear in the Now playing screen:

When Shuffle mode is enabled via **Show options**, songs play in random order. When disabled (as shown), songs play in the order they appear in List view.

When Shuffle mode is enabled via **Show options**, songs play in random order. When enabled, songs play in random order.

Touch to repeat the current song, repeat all songs, or disable repeat mode.

   - **Settings**: View and change Music app settings.

Changing Music Settings

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Touch **Menu**. The following options are available:
   - **Shuffle all**: Play all songs in a random order.
   - **Choose on-device music**: .
   - **On device only**: List only music available on your device.
   - **Settings**:
     - **Google Account**: Select the Google account you will use to access Google Music Market.
     - **Hide unavailable music**: When enabled, shows only available songs when your phone has no data connection.
     - **Automatically cache**: Temporarily store songs streamed from Google Music Market.
     - **Stream via Wi-Fi only**: Allows Music to stream songs from Google Music Market only over a Wi-Fi connection.
     - **Stream high quality**: Always stream songs from Google Music Market at the highest available quality.
     - **Refresh**: Synchronize Music with your songs on Google Music Market.

– **Download via Wi-Fi only**: Allows Play Music to download songs from Google Play Store Music for off-line availability only over a Wi-Fi connection.
– **Download queue**: Shows the songs currently being downloaded.
– **Nexus Q settings**: Configure Google Nexus Q streaming playback. For future use.
– **Open source licenses**: Shows licenses for open source software used by Music.
– **Music version**: Shows the release version of Play Music on your phone.

Creating a Playlist

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Select the **PLAYLISTS** tab.
3. Touch **Menu** ➔ **New playlist**. The **Playlist name** window pops-up with the default name highlighted, and the default keypad appears at the bottom of the **PLAYLISTS** screen.
4. Enter the desired Playlist name and touch **OK**. The new playlist appears in the **PLAYLISTS** screen.

Adding Songs to the Song Queue

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Touch on an album or song.
3. Select **Add to queue**. The selected song is added to the **NowPlaying** playlist.

Adding Songs to Playlists

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Touch on an album or song.
3. Select **Add to playlist**. The **Add to playlist** menu pops-up.
4. Select the desired target playlist.

Playing a Playlist

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Select the **PLAYLISTS** tab.
3. Touch on the desired playlist.
4. Select **Play**.

Deleting a Playlist

1. From the Home screen, touch **Applications** ➔ **Play Music**.
2. Select the **PLAYLISTS** tab.
3. Touch on the desired playlist.
4. Select **Delete**.

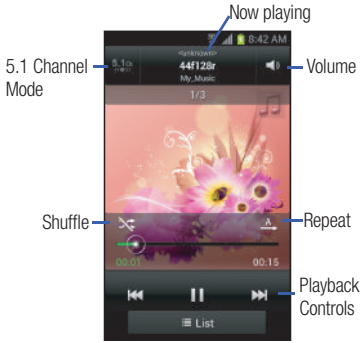
Music Player

Music Player plays music files stored on a microSD or microSDHC Memory Card. (For information on installing a Memory Card, page 9.)

Important! For information on transferring media files to a memory card, see *"PC Connections"* on page 126.

Playing Music

1. From the Home screen, touch **Applications** ➔ **Music Player**.
2. Select a tab to display your music files, from **All**, **Playlists**, **Albums**, **Artists**, or **Folders**.
3. Browse through your available music to find songs.
4. Touch a song or playlist to begin playback.



5. During playback, use the sound and playlist controls:
   - **Volume**: Enable on-screen volume control.
   - **Now playing**: Display the current song title and information.
   - **5.1 Channel Mode**: Enable surround sound (headphones only).
   - **Shuffle**: Touch to enable or disable shuffle mode. when enabled, songs play in random order. When disabled, songs play in the order they appear.
   - **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.
   - **Playback Controls**: Touch to play a previous song, the current song, or the next song. Touch and hold to rewind or fast forward playback of the current song.

Creating a Playlist

1. From the Home screen, touch **Applications** ➔ **Music Player** ➔ **List**.
2. Touch **Menu** ➔ **Add to playlist**.
3. Select one or more songs, or touch **Select all**, then touch **Add**.
4. Select an existing playlist to add the selected song(s) to it, or touch **Create playlist** to create a new named playlist and add the selected song(s) to it.

Setting a song as a ringtone

You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

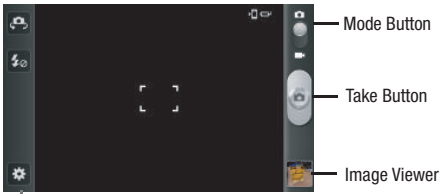
1. From the Home screen, touch **Applications** → **Music Player** → **List**.
2. Touch and hold a music file, then touch **Set as** and choose from these options:
   - **Phone ringtone**: Set the song as the default ringtone for all incoming voice calls.
   - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
   - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Section 9: Pictures and Videos

Camera

Use your phone's built-in Camera to take pictures and record videos.

- From the Home screen, touch **Applications** ➔ **Camera**.



Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Taking Pictures

1. From the Home screen, touch **Applications** ➔ **Camera**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
   - Touch the screen to focus on the area you touched.
   - To zoom the in and out on the current subject, press the Volume key Up or Down, or touch the viewfinder image with two fingers, then sweep them apart to zoom in or pinch them together to zoom out.
   - To configure settings, see *"Camera Settings"* on page 111.
3. To take the picture, touch the **Take** button.
4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
   - Touch **Delete** to erase the picture.
   - Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Messaging**, **Photo editor**, **Picasa**, **Social Hub**, or **Wi-Fi Direct**.

- Touch **More** ➔ **Set as** to assign the picture as a contact icon, or as wallpaper.
- Touch **More** ➔ **Rename** to the file name automatically assigned to the picture.
- Touch **Back** to return to the Camera to take more pictures.

5. Touch the icons on the Shortcuts Bar to adjust camera settings:
   - **Swap Camera**: Toggle between the front and rear cameras.
   - **Flash**: Choose **Off** (never flash), **On** (always flash), or **Auto flash** (flash only when the light is low).
   - **Settings**: Launches the **Settings** menu.

Camera Settings

- While in Camera mode, touch **Settings** to configure:
  - **Edit shortcuts**: Select which 4 camera setting icons appear in the shortcut bar. (The **Settings** icon cannot be removed or replaced.)

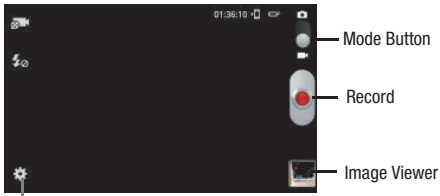
- **Self portrait**: When set to **On**, automatically chooses front camera and assigns values to other camera settings to provide best quality self portrait images.
- **Flash**: Choose **Off** (never flash), **On** (always flash), or **Auto flash** (flash only when the light is low).
- **Shooting mode**: Choose a camera shooting mode (**Single Shot**: take a single photo, **Smile shot**: touch the Camera button to automatically focus on the subject's face and take the picture when the subject smiles, **Beauty**: touch the Camera button to automatically adjust exposure value for the subject's face, **Panorama**: take multiple pictures by moving the device to create a panorama, **Action shot**: Increases the shutter speed for fast action photography, and **Cartoon**: Applies a cartoon-like effect to your image.
- **Scene Mode**: Choose a mode to match conditions (None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall colour, Firework, Text, Candlelight, Backlight).
- **Exposure value**: Choose a positive exposure value to brighten the next picture. Choose a negative exposure value to darken the next picture.

- **Focus mode**: Choose a type of automatic focus.
- **Timer**: Set a delay before taking a picture.
- **Effects**: Apply an effect to pictures.
- **Resolution**: Choose a size for the image.
- **White balance**: Choose a setting for the light source.
- **ISO**: Choose an ISO setting to ensure best picture clarity for conditions.
- **Metering**: Select a method for measuring light.
- **Outdoor visibility**: Enhances screen readability in bright light.
- **Anti-Shake**: Select to ensure picture clarity.
- **Auto contrast**: Select to let the camera automatically adjust picture contrast to match conditions.
- **Blink detection**: Select to ensure camera takes picture when subject's eyes are open.
- **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.
- **Image quality**: Choose a quality setting for photos.
- **GPS tag**: Enable or disable inclusion of location information with each new photo.
- **Storage**: Select where photos will be stored: **Phone** or **Memory card**.
- **Reset**: Set all Camera settings to the defaults.

Camcorder

Use your phone's built-in Camcorder to record video.

- From the Home screen, touch **Applications** ➔ **Camera**, then touch and drag the **Mode** button from to .



Important! Do not record videos of people without their permission.

Do not record videos in places where cameras are not allowed.

Do not record videos in places where you may interfere with another person's privacy.

Capturing Video

1. From the Home screen, touch **Applications** ➔ **Camera**, then touch and drag the **Mode** button from to .
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
   - To configure settings, see *"Camcorder Settings"* on page 114.
   - To zoom the in and out on the current subject, touch the viewfinder image with two fingers, then sweep them apart to zoom in or pinch them together to zoom out. (Not available with **Resolution** set to **1920x1080**.)
3. To start recording, touch the **Record** button.
4. To stop recording, touch the **Record** button again.
5. After recording, touch **Image Viewer** to view the video. While viewing the video, use these options:
   - Touch the Play arrow on the screen to review the video.
   - Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Email**, **Gmail**, **Messaging**, **Wi-Fi Direct**, or **YouTube**.
   - Touch **Delete** to erase the video.
   - Touch **More** ➔ **Play** to review the video.

- Touch **More** → **Rename** to the file name automatically assigned to the picture.
- Touch **Back** to return to the Camera to take more pictures.

6. Touch the icons on the Shortcuts Bar to adjust camera settings:
   - **Recording mode**: Toggle between the front and rear cameras.
   - **Flash**: Choose **Off** (never flash) or **On** (always flash).
   - **Settings**: Launches the **Settings** menu.

Camcorder Settings

- While in Camcorder mode, touch **Settings** to configure:
  - **Edit shortcuts**: Select which 4 camcorder setting icons appear in the shortcut bar. (The **Settings** icon cannot be removed or replaced.)

  - **Flash**: Choose **Off** (never flash) or **On** (always flash).
  - **Recording mode**: Choose a recording mode from **Normal** (Record a video of any length), **Limit for MMS** (Record a video up to 1 minute long, suitable for sending in a Video message), or **Self recording** (Automatically chooses front camcorder and assigns values to other camcorder settings to provide best quality self portrait video).
  - **Exposure value**: Choose an exposure value.
  - **Timer**: Set a delay before starting recording.
  - **Effects**: Apply an effect to videos.

- **Resolution**: Choose a size for the recording.
- **White balance**: Choose a setting for the light source.
- **Outdoor visibility**: Enhances screen readability in bright light.
- **Video quality**: Choose a quality setting for videos.
- **Outdoor visibility**: Enhances screen readability in bright light.
- **Guidelines**: Enable or disable cross-hatch pattern in viewfinder screen.
- **Storage**: Choose where to store your videos, Phone or Memory card.
- **Reset**: Set all Camcorder settings to the defaults.

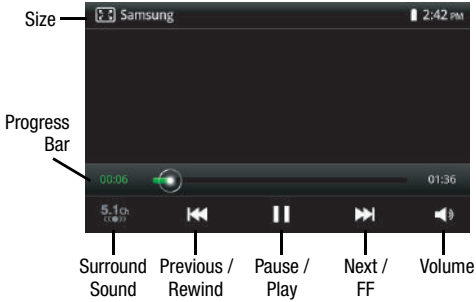
Video player

View and manage videos stored on an optional installed memory card, or shop for new videos.

1. Navigate to a Home screen panel, then touch **Applications** → **Video player**. An array of available video thumbnails appears in the display.

   You can show a list of video file names by touching the **Lists** tab, or a list of folders containing videos by touching the **Folders** tab.
2. For additional options, touch **Menu**:
   - **List by**: Sort the files in the list by Size, Name, Date, or Type.

3. To play a video, touch it.



4. To display or hide on-screen playback controls, touch the Video Player screen. The following controls are available:
   - **Size**: Touch to change image size from full screen to small-size proportional image or large-size proportional image.
   - **Surround Sound**: Reproduces surround sound in headphones.
   - **Previous / Rewind**: Touch to play the previous video in the list. Touch and hold to rewind playback of the current video.
   - **Pause / Play**: Pause / resume playback of the current video.
   - **Next / FF**: Touch to play the next video in the list. Touch and hold to fast forward playback of the current video.
   - **Volume**: Activates on-screen volume control.
5. Touch **Menu** for these options:
   - **Share via**: Send the video via AllShare, Bluetooth, Wi-Fi Direct, Messaging, YouTube, Email, or Gmail.
   - **Video brightness**: Select Automatic brightness or adjust the Video brightness slider.
   - **Via Bluetooth**: Send the video via Bluetooth.
   - **Subtitles**: Display subtitles text included with the video.
   - **Color tone**: (Normal / Warm / Cold).
   - **Outdoor visibility**: When set to On, Video Player screen brightness and contrast are automatically set to increase visibility in bright sunlight.
   - **Details**: View information about the video.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Note: Media Hub service requires a Media Hub account, and depends on service availability.

1. Navigate to a Home screen panel, then touch **Applications** → **Media Hub**.
2. To rent or buy media, you must have a Media Hub account. Touch **Menu** → **My Profile** to log in to your account, or to create an account. Follow the prompts to complete log-in.
3. Browse content using options like these (subject to change):
   - **What's New**: Recently-added movie and TV titles for rent or purchase.
   - **Sneak Peak**: Selected popular Movie trailers and TV show previews.
   - **Spotlight**: Movies and TV titles for rent or purchase related by subject matter or cast member.
   - **Free for a Limited Time**: TV episodes available for free viewing for a limited time.
   - **Digital Early Release**: Movies for rent or purchase, available before being released on other media.
   - **Recently Added Shows**: Newly available TV titles.
   - **Recently Added Movies**: Newly available Movies.

   – or –

   Touch Menu to use the following options:
   - **Movies**: Movies you can rent or purchase.
   - **TV Shows**: TV shows you can rent or purchase.
   - **My Media**: Content you have previously purchased or rented.
   - **Home**: Returns you to the Media Hub home screen.

4. When you find media you want to view, use these options:
   - **View Trailer**: View a short clip from a movie. (Not available for TV shows.
   - **Buy SD**: Purchase the Standard Definition movie or TV show for unlimited viewing on your device. Follow the prompts to enter payment details.
   - **Rent SD**: Purchase a time-limited download of the Standard Definition movie or TV show. Follow the prompts to enter payment details.

Video Maker

Video Maker lets you custom-make your own videos. You can add themes, music, pictures, and other videos to your video.

1. From the Home screen, touch **Applications** ➔ **Video Maker**.
2. Follow the on-screen instructions.

Gallery

Use Gallery to view, capture, and manage pictures and videos.

Note: To take pictures or record video, you must install an optional memory card in your phone.

- Navigate to a Home screen panel, then touch **Applications** ➔ **Gallery**.

Viewing Pictures

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to view it.
3. To send a copy of the picture to someone else, touch **Menu** ➔ **Send via**. Options are: **Bluetooth**, **Email**, **Gmail**, **Messaging**, **Wi-Fi Direct**, and **Online Album**.
4. To erase the picture from memory, touch **Delete**.
5. While viewing a picture, touch on the screen or touch **Menu** for options:
   - **Share via**: Share the selected picture via **AllShare**, **Picasa**, **Social Hub**, or **Online Album**.
   - **Set as**: Assign the picture as a Contact icon, or as Wallpaper.
   - **More**: Access additional options to **Copy**, **Print**, **Edit**, **Crop**, **Motion**, **Rotate left**, **Rotate right**, **Slideshow**, **Rename**, or view **Details**.

Viewing Videos

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a video to play it. (For more information, refer to *"Video player"* on page 115.)
3. To send a copy of the video to someone else, touch **Menu** ➔ **Send via**. Options are: **Bluetooth**, **Email**, **Gmail**, **Messaging**, **Wi-Fi Direct**, and **Online Album**.
4. To erase the video from memory, touch **Delete**.
5. For additional options, select a video and touch **More**:
   - **Share via**: Share the selected video using **YouTube**.
   - **Play via**: Play the selected video using **AllShare**.
   - **Rename**: Change the name of the video file.
   - **Details**: View information about the video.

Sharing pictures and video

Share pictures and videos via Email, AllShare, Bluetooth, Messaging, Picasa, or Gmail.

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch **Menu** and touch a picture or video to select it.

Tip: To select multiple pictures or videos, touch **Menu**, then touch each picture or video thumbnail or touch **Select all** to mark them, then touch **Send via**.

3. Touch **More** ➔ **Share via** to send the picture or video using applicable options (**AllShare**, **Picasa**, **Social Hub**, or **YouTube**), then follow the prompts.

Setting a Picture as a Contact Photo

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch **Menu** and touch a picture to select it.
3. Touch **Menu**, then touch **More** ➔ **Set as** ➔ **Contact photo**.
4. Select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. Navigate to a Home screen panel, then touch **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch **Menu**, then touch **Set as** ➔ **Home screen wallpaper** / **Lock screen wallpaper**.
4. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

Photo Editor

Photo Editor lets you basic adjust brightness, contrast, and color of pictures that you take on your phone. You can also apply a wide variety of effects to your photos.

1. From the Home screen, touch **Applications** ➔ **Photo Editor** .
2. Touch **Select picture** to edit a picture in your Gallery.

   – or –

   Touch **Capture picture** to take a picture with the camera.
3. Touch the picture and it is loaded into the Photo Editor.
4. Use the following Photo Editor controls to edit your picture:

Selection Size: Set the size of the selection tool to Small, Medium, or Large.

Selection: Mark an area for cropping, rotating, and more.

Crop: Crop (cut-out) an area of a photo.

Rotate: Rotate a photo in all 4 directions. You can also mirror image a photo.

Move: Move a photo around when you are zoomed in and the entire photo is not showing on the screen.

Tools: Copy and Paste to different images. You can also use Warping and Fill.

Effects: Add various effects to your photo.

Color: Adjust the Saturation, Contrast, Brightness of a photo. You can also make it Grey-scale.

Next: Move to next photo project.

Previous: Move to previous photo project.

5. Touch **Menu** to access the following options:
   - **New**: starts a new Photo Editor project. Be sure and save the photo you are working on before starting a new project.
   - **Save**: saves your photo to your gallery.

- **Share**: allows you to share your photo via AllShare, Bluetooth, Email, Social Hub, Gmail, Messaging, Picasa, or Wi-Fi.

Section 10: Connections

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your phone supports the 802.11 a/b/g/n Wi-Fi protocols.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi Settings"* on page 154.

Turning Wi-Fi On or Off

When you turn Wi-Fi service on, your phone automatically searches for available, in-range "hotspots" [also termed WAPs (Wireless Access Points)].

Turning Wi-Fi On

1. From the top of the Home screen, sweep your finger downward to display the Notifications screen.
2. At the top of the Notifications screen, touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the top of the Home screen, sweep your finger downward to display Notifications.
2. At the top of the Notifications screen, touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

1. Turn Wi-Fi on (see *"Turning Wi-Fi On"* on page 123). Your phone scans for Wi-Fi hotspots and pops-up a list of those available.
2. To connect to a hotspot, touch it on the pop-up list.
   - If the Wi-Fi network is open, you will be connected automatically.
   - If the Wi-Fi network is secured, enter the password at the prompt and touch **Connect** to connect to the Wi-Fi hotspot.

Adding a Wi-Fi Network Manually

1. From the Home screen, touch **Menu** → **Settings** → **Wi-Fi**. The **Wi-Fi** options screen appears. (For more information, refer to *"Wi-Fi Settings"* on page 154.)
2. Touch **Wi-Fi** OFF to turn on Wi-Fi.
3. Touch **Add network**, then enter the following values:
   - **Network SSID**: Enter the name of the WAP (Wireless Access Point).
   - **Security**: Select the type of security used by the WAP.
   - **Password**: If the WAP is secured, enter the password or key.

Bluetooth

Note: For Hearing Aid Compatibility Information, see page 216.

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 156.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see *"Bluetooth profiles"* on page 155.

Turning Bluetooth On or Off

1. From the Home screen, sweep your finger from the top of the screen downward to display Notifications.
2. Touch **Bluetooth** to turn Bluetooth On.
   Touch **Bluetooth** to turn Bluetooth Off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

After pairing, your phone and the target device will connect with each other and exchange information without a passcode or PIN.

Note: When connected, the **Bluetooth connected** icon displays in the Status Bar. If you receive a new request for connection while connected with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the connection request.

1. Activate the target device's discoverable mode.
2. On your phone, turn on Bluetooth (see *"Turning Bluetooth On or Off"* on page 125). A list of detected devices pops-up on your display.
3. From the list of detected devices, touch the target device, your phone attempts to automatically pair with the target device.

   If automatic pairing fails, then follow the prompts to complete manual pairing:
   - Enter a PIN for the target device and touch OK.

Tip: Some devices use a default passcode of 0000. Refer to the target device's user manual for more information.

   - When prompted to connect with the target device, touch **OK** to complete the connection, touch **Cancel** to retain the pairing only.

Connecting with a Bluetooth Device

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Bluetooth**. The **Bluetooth** screen appears in the display.
2. Under **Available devices**, touch a previously paired device. The device connects with your phone.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

For information about configuring your phone's VPN settings, see *"VPN"* on page 159.

Accessing a VPN

1. From the Home screen, touch **Menu** ➔ **Settings**.
2. Under **Wireless and network**, touch **More...** ➔ **VPN**. The **VPN** screen appears, listing available VPN connections.
3. Touch a VPN and follow any prompts to access the network.

PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes.

Storage: Lets you use the built-in mass storage and memory card capacity of the phone to store and upload files. This option lets your computer treat your phone's installed and card memory as removable storage drives.

Connecting as a Media Device

You can connect your device to a personal computer, and access your device's file directory. If you insert a microSD or microSDHC memory card in the device, you can also access the files on the memory card.

1. Use the USB Data Cable to connect your device and to a personal computer. After a few seconds, a pop-up window displays on the personal computer, prompting you to choose how to access the new device.
2. On the personal computer pop-up window, click **Open device to view files**.
   You can now transfer files between the personal computer and your phone's memory and optional memory card (if installed).

Tethering

Use Tethering to share your phone's internet connection with a computer connected to your device using the USB data/charging cable, or using Bluetooth.

For more information, refer to *"USB tethering and Bluetooth tethering"* on page 160.

1. From the **Settings** screen, under **Wireless and network**, touch **More...** ➔ **Tethering**. The **Tethering** screen appears.
2. Choose a tethering method:
   - **USB tethering**: Connect the computer to the phone via USB cable, then touch **USB Tethering** to turn tethering On or Off. When On, a check appears in the checkbox.
   - **Bluetooth tethering**: Connect your phone with the computer using Bluetooth. Consult the computer's documentation for more information about using your computer to make a Bluetooth connect. Touch **Bluetooth Tethering** to turn tethering On or Off. When On, a check appears in the checkbox.

Note: Using Tethering requires a subscription to your Wireless Provider's mobile data service.

Portable Wi-Fi hotspot

Use Portable Wi-Fi hotspot to share your phone's internet connection with a PC or other device through Wi-Fi, using your phone as a mobile hotspot.

Note: Portable Wi-Fi hotspot requires a subscription to the applicable service to use the application.

Portable Wi-Fi hotspot consumes battery power and uses data service. While the Portable Wi-Fi hotspot is active, your phone's applications will use the mobile hotspot data feature allowance.

Configuring Portable Wi-Fi hotspot Settings

You can change your phone's Portable Wi-Fi hotspot settings, including your phone's name and password, and set the visibility of your phone's Wi-Fi hotspot.

For more information about configuring your Portable Wi-Fi hotspot, see *"Portable Wi-Fi Hotspot"* on page 160.

Activating Portable Wi-Fi hotspot

Activate your phone's Portable Wi-Fi hotspot application to allow other devices to use your phone's internet connection.

1. From the Home screen, touch **Menu** ➔ **Settings**. The **Settings** screen appears.
2. Under **Wireless and network**, touch **More...** ➔ **Tethering** ➔ **Portable Wi-Fi hotspot**.

Connecting a Device via Portable Wi-Fi Hotspot

Use the other device's Wi-Fi control to connect to your phone's Portable Wi-Fi Hotspot.

1. Activate Portable Wi-Fi Hotspot on your phone. For more information, see *"Activating Portable Wi-Fi hotspot"* on page 128.
2. Activate Wi-Fi on the other device, using that device's Wi-Fi control.
3. Scan for Wi-Fi hotspots, and select your phone from the list. To find your phone's name, see *"Configuring Portable Wi-Fi hotspot"* on page 161.
4. At the prompt, enter your phone's Portable Wi-Fi Hotspot password.

   By default, the password is your phone's telephone number. For information on changing your phone's Portable Wi-Fi Hotspot password, see *"Configuring Portable Wi-Fi hotspot"* on page 161.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, some printers support Wi-Fi Direct, and you could print from your phone via Wi-Fi Direct.

Configuring Wi-Fi Direct

For information on configuring Wi-Fi Direct, see *"Configuring Wi-Fi Direct"* on page 162.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch **Menu** ➔ **Settings**. The **Settings** screen appears.
2. Under **Wireless and network**, touch **More...** .
3. Touch **Wi-Fi Direct** OFF to turn Wi-Fi Direct On, or touch **Wi-Fi Direct** ON to turn Wi-Fi Direct Off.

   The **Wi-Fi Direct** screen appears, and your phone scans for available Wi-Fi Direct devices and lists them under **Available devices**.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, videos, and other files.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Installing the Memory Card"* on page 9.

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

Formatting a Memory Card

Use the Erase SD card setting to remove all content from an installed memory card.

1. From the Home screen, touch **Menu** ➔ **Settings**.
2. Under **Device**, touch **Storage**.
3. Under **SD card**, touch **Unmount SD card**.
4. After unmounting the SD card, touch **Format SD card**, then follow the prompts to confirm the deletion of information from the card.

Section 11: Applications

Applications display on the Applications screens to provide access to your phone's applications.

You can also place shortcuts to applications on the Home screen, for quick access to the application. (For more information, refer to *"Adding Applications to a Home Screen panel"* on page 40.)

Accessing Applications

1. Navigate to a Home screen panel, then touch **Applications**.
2. Sweep your finger right or left to scroll the Applications screens.
3. Touch an application's icon to launch the application.

Customizing the Applications Screens

Choosing a view

By default, application icons appear in Grid view. You can change the view to List view.

1. Navigate to a Home screen panel, then touch **Applications.**
2. Touch **Menu** → **List view** / **Grid view**.

Moving Application icons

With the Applications screen in Grid view, you can arrange the application icons to suit yourself.

1. Navigate to a Home screen panel, then touch **Applications.**
2. Touch **Menu**, then touch **Edit**.

   If the Applications screen view is **Alphabetical grid** or **Alphabetical list**, you are prompted to change the view to **Customizable grid**. Touch **Switch**.
3. To move an application icon, touch and hold it, then drag it to a new location.
4. When you are finished, touch **Menu**, then touch **Save**.

AllShare

Share your media content with other DLNA certified™ (Digital Living Network Alliance) Devices over Wi-Fi connections.

Note: You must activate Wi-Fi and connect to a Wi-Fi network to use this application. (For more information, refer to *"Wi-Fi"* on page 123.)

With **AllShare**, you can share media files stored on your phone or download media files from other devices for later sharing.

Setting Up AllShare

Before using AllShare, you must setup its parameters.

1. From the **Applications** screen, touch **AllShare**.
2. Touch **Menu** ➔ **Settings**. The following options are available:
   - **Device name**: Enter or change the name of your phone, then touch **Save**.
   - **Share videos**: When enabled, allows sharing of video stored on your phone.
   - **Share photos**: When enabled, allows sharing of pictures stored on your phone.
   - **Share music**: When enabled, allows sharing of music and songs stored on your phone.
   - **Upload from other devices**: You can set your phone to **Always accept** media file uploads, **Always ask** you for approval, or **Always reject** medial file uploads from other devices.
   - **Default memory**: Select the location (**Phone** or **Memory card**) where AllShare will store downloaded media files.
   - **Subtitles**: When enabled, blocks video subtitles from displaying on Samsung devices.
3. Touch Back to return to the previous page.

Connecting with Other Devices

1. From the **Applications** screen, touch **AllShare**.
2. Power on the device you wish to connect with Allshare on your phone.
3. Touch **Remote device**. Your phone begins searching for compatible Wi-Fi devices.
4. Select a device to connect to AllShare on your phone, and follow the prompts to complete the connection.

Selecting Media to Play

1. From the **Applications** screen, touch **AllShare**.
2. Select **Videos**, **Photos**, or **Music**.
3. Select a media file you want to transmit to the playback device.
4. Select a playback device from the on-screen list. If your desired playback device does not appear, touch **Refresh**.

Receiving Media From Another Device

1. From the **Applications** screen, touch **AllShare**.
2. Select a media storage device from the on-screen list. If your desired device does not appear, touch **Refresh**.
3. Select **Videos**, **Photos**, or **Music**.
4. Touch **Menu**, then select a media file you want to download to your phone.
5. Follow the prompts to complete the download.

Amazon

Shop for merchandise on Amazon.com.

- From the **Applications** menu, touch **Amazon**.

Amazon Kindle

Shop for, download, and view ebooks from Amazon.com.

- From the **Applications** menu, touch **Amazon Kindle**.

Amazon MP3

Shop for, download, and play MP3 music files from Amazon.com.

- From the **Applications** menu, touch **Amazon MP3**.

Appstore

Shop for applications from Amazon.com.

Note: This app requires you to enable **Settings** ➔ **Applications** ➔ **Unknown sources**. (For more information, refer to *"Device administration"* on page 185.)

- From the **Applications** menu, touch **Appstore**.

Audible

Shop for, download, and play audio books from Audible.com.

- From the **Applications** menu, touch **Audible**.

Calculator

Use your phone's Calculator to perform mathematical calculations.

- From the **Applications** screen, touch **Calculator**.

Calendar

Record events and appointments to manage your schedule.

1. From the **Applications** screen, touch **Calendar**.
2. Touch a tab to choose a calendar view:
   - **Month**: Display the current month, and scroll to other months.
   - **Week**: Display the current week, and scroll to other weeks.
   - **Day**: Display today's schedule, and scroll to other days.
   - **List**: Display events in a chronological list.
3. Touch **Menu** for these options:
   - **Create**: Add a new event to the calendar.
   - **Go to**: Display a specific date.
   - **Today**: Display today's events.
   - **Search**: Search for an event by name.
   - **Delete**: Delete an event.
   - **Settings**: Customize the calendar.

Customizing the Calendar

1. From the **Applications** screen, touch **Calendar**.
2. Touch **Menu**, then touch **Settings** to configure these settings:
   - **Calendars**: View all your calendars.
   - **Default calendar**: Choose an account calendar to synchronize with your phone's Calendar. (For more information, refer to *"Accounts"* on page 58.)
   - **Default view**: Set the default view when Calendar opens.
   - **Day view**: Choose a view for a day's events. Select a type: Time grid, or Event list.
   - **First day of week**: Choose a day to begin each week.
   - **Hide declined events**: Enable or disable display of declined events.
   - **Hide contact's anniversary events**: Enable or disable display of anniversary events for your Contacts.
   - **Lock time zone**: Lock event time based on your current user-selected time zone). Select a time zone from within the Select time zone field.
   - **Select time zone**: Choose a time zone.

- **Set alerts and notifications**: Adjusts the event notification method. Choose from: Alert, Status bar notification, and Off.
- **Vibration**: Activates this notification option. Selections are: Always, Only in Silent mode, or Never.
- **Select ringtone**: Assigns a ringtone to a calendar event notification.
- **Calendar sync**: Synchronize calendars from multiple accounts.

Sending Events via Bluetooth / Email / Messaging / Wi-Fi Direct

Send events as vCalendar files to other Bluetooth devices.

1. From the **Applications** screen, touch **Calendar**.
2. Touch an event to display its details.
3. Touch **Menu**, then touch **Send via → Bluetooth / Email / Messaging / Wi-Fi Direct**.
4. Follow the prompts to:
   - Connect to a paired device, or to pair and connect with a new device. (For more information, refer to *"Pairing with a Bluetooth Device"* on page 125.)
   - Compose and send an Email or Message. (For more information, refer to *"Composing and Sending Email"* on page 84 or see *"Creating and Sending Messages"* on page 75.)
   - Connect to another Wi-Fi Direct device. (For more information, refer to *"Turning Wi-Fi Direct On or Off"* on page 129.)

Sending Events via Email

Send events as vCalendar attachments in Email.

Note: To send Events via email, you must define an email account using the Email application. (For more information, refer to *"Email"* on page 82.)

1. From the **Applications** screen, touch **Calendar**.
2. Select an event and touch it to display details.
3. Touch **Menu**, then touch **Send via** → **Email**.
4. Continue creating the email, as desired. (For more information, refer to *"Composing and Sending Email"* on page 84.)

Camera

Take pictures and record video with your phone's built in Camera-Camcorder. (For more information, refer to *"Camera"* on page 109 and *"Camcorder"* on page 113.)

- From the **Applications** screen, touch **Camera**.

City ID

Subscribe to City ID to display city and state for incoming calls, and to look up city and state information for phone numbers.

- From the **Applications** menu, touch **City ID**.

Clock

The Clock application includes Alarm clock, World clock, Stopwatch, Timer, and Desk clock features.

- From the **Applications** screen, touch **Clock**.

Daily Perks

View local weather, news, and more.

- From the **Applications** menu, touch **Daily Perks**.

Downloads

Displays lists of content previously downloaded via the Internet.

- From the **Applications** screen, touch **Downloads**.

Email

Send and receive email using popular email services. (For more information, refer to *"Email"* on page 82.)

- From the **Applications** screen, touch **Email**.

Gallery

Use Gallery to view, capture, and manage pictures and videos. (For more information, refer to *"Gallery"* on page 118.)

- From the **Applications** screen, touch **Gallery**.

Gmail

Send and receive emails via Gmail, Google's web-based email. (For more information, refer to *"Gmail"* on page 79.)

- From the **Applications** screen, touch **Gmail**.

HD Games

Shop for High Definition games using the Browser.

- From the **Applications** screen, touch **HD Games**.

IMDb

Directly access Amazon's IMDb (Internet Movie Database) without launching the Browser.

- From the **Applications** screen, touch **IMDb**.

Internet

Your phone includes a full HTML Browser, to access the internet. For more information about using Browser, see *"Internet"* on page 89.

- From the **Applications** screen, touch **Internet**.

Latitude

With Google Latitude, you can see the location of all of your friends on a list or on a map. You can also share or hide your location.

You must first set up your phone to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled. (For more information, refer to *"Location services"* on page 182 and to *"Wi-Fi"* on page 123.)

1. Navigate to a Home screen panel, touch , then touch **Settings** ➔ **Wireless and networks** ➔ **Wi-Fi settings**.
2. Touch **Wi-Fi**. A green check mark appears, indicating the feature is enabled. Your phone begins scanning for Wi-Fi Wireless Access Points (WAPs), or "hot spots", listing the results of the scan under **Wi-Fi networks**.
3. Touch the desired Wi-Fi network listing to connect to it.

4. Log on to your Google account. (For more information, refer to *"Configuring Your Gmail Account"* on page 79.)
5. Navigate to a Home screen panel, then touch **Applications** → **Latitude**. Your Latitude screen appears in the display.

   The following options are available:

   - Latitude **Latitude**:
     - **Map**: Show a map indicating your location. (For more information, refer to *"Maps"* on page 139.)
     - **Local**: Find locations of Restaurants, Cafes, Bars, Attractions, and More categories.
     - **Navigation**: Display directions to a location from a starting point.
     - **Offers**: Lists discounts and other offers from places near your location.
     - **My Places**: allows you to see locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Touch and hold on a location and when the screen displays with the address, touch the star in the upper-right corner. It will be listed in your Starred Places.
     - **Latitude**: Find family and friends.
     - **Location history**: Show your previous locations on a map.
   - **MAP VIEW**: Show a map indicating your location. (For more information, refer to *"Maps"* on page 139.)
   - **Add friends**: Select from your Contacts or Add via email address.
   - **Check in**: Select your exact location from a pop-up list.
   - **Refresh friends**: Update available friends' locations.

Additional Latitude Options

- From your Latitude screen, touch Menu to display the following additional options:
  - **Show stale friends** / **Hide stale friends**: Lists/hides friends who are not sharing their locations.
  - **Location settings**: Enable or disable Background location reporting, Location history, Latitude location sharing, and your Check-ins.
  - **Help**: Displays a list of information about Latitued.

Sharing your Location with Friends

1. From your Latitude screen, touch to display your Latitude friends. At first, only your name is displayed.

   – or –

   From the Maps screen, touch to display your Latitude friends. At first, only your name is displayed.
2. Touch , then touch **Add friends**.
3. Touch **Select from Contacts** or **Add via email address**.
4. Touch a Contact or enter an email address, then touch **Add friends**.
5. At the **Send sharing requests** prompt, touch **Yes**.

Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone or tablet provided it is available. Once they acknowledge your request, their location will display on your phone. They can share their location from their computer, phone, or tablet.

For more information, go to http://www.google.com/latitude.

Let's Golf 2 HD

Play golf on your phone.

1. From the **Applications** screen, touch **Let's Golf 2 HD**.

Local

Find places of interest near your Latitude location. (For more information about Latitude, see *"Latitude"* on page 136.)

- From the **Applications** screen, touch **Local**.

Maps

Use Google Maps to find your current location, search for destinations, and get detailed directions. (For more information, refer to *"Maps"* on page 96.)

Note: You must enable Google location services to use Maps. Some other features require Standalone GPS and/or Google location services. (For more information, refer to *"Location services"* on page 182.)

1. From the **Applications** screen, touch **Maps**. The Maps screen appears providing the following options:
   - Maps **Maps**:
     - **Map**: Return to the map.
     - **Local**: Shows places of interest such as Restaurants, Cafes, Bars, Attractions, and More categories on the map.
     - **Navigation**: Display directions to a location from a starting point.
     - **Check in** (appears only after you have checked in with Latitude): Select your location for sharing with your friends.
     - **Offers**: Lists discounts and other offers from places near your location.
     - **My Places**: Shows locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Touch and hold on a location and when the screen displays with the address, touch the star in the upper-right corner. It will be listed in your Starred Places.
     - **Latitude**: Launch Latitude and find family and friends. (For more information, refer to *"Latitude"* on page 136.)
     - **Location history**: Show your previous locations on a map.
   - My Location: When touched, the location displays on the map with a blinking blue dot.
   - **Search**: Find locations by name or address.
   - **Directions**: Get driving, public transport, or walking directions.
   - **Local**: Find and display locations such as restaurants, parks, and so on.

- **Layers**: allows you to switch map views:
  - **Traffic**: (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.
  - **Satellite**: Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old.
  - **Terrain**: combines a topographical view of the area's terrain with the current map location.
  - **Transit Lines**: displays the overlapping transit lines on your map.
  - **Latitude**: allows you to see your friend's locations and share your location with them.
  - **My Maps**: displays a list of your preferred maps.
  - **Bicycling**: displays the overlapping cycling trails on your map.
  - **Wikipedia**: displays any Wikipedia markers and info on your map.

2. Touch to access the following options:
   - **Clear Map**: Remove all markings and layers you have added from the map.
   - **Make available offline**: Select a portion of the current map and save it on your device.
   - **Settings**:
     - **Display**: Set options to display Zoom Buttons, Scale Bar, and/or Bubble action.
     - **Offline and cache**: Set options to pre-fetch map tiles when not using Wi-Fi, and to clear the cache that holds map tiles.
     - **Location settings**: Set options for Background location reporting, Latitude location sharing, Location history, and Check-ins.
     - **Switch Account**: Select another Google account to use Maps.
     - **Labs**: Test experimental Maps features not yet ready for "prime time". These features may change, break, or disappear at any time. Touch a Lab to enable or disable it.
     - **What's New**: Scans Play Store for updates to Google Maps.
     - **About**: Displays general information about Google Maps, such as Version, Platform, Locale, Total data sent, Total data received, and more.

- **Feedback**: Send feedback messages to Google Maps.
- **Terms, Privacy & Notices**: Displays the Terms and Conditions, Privacy Policy, or Legal Notices information.

- **Help**: Access on-line instructions on using Maps.

Navigating the Map

Zooming

- Double-touch on the screen to zoom in.
- Touch Zoom in (+) or Zoom out (-).

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch and Touch and hold

- **Touch and hold** on an area of the map to display pop-up information about the location.
- **Touch** an information balloon for these options:
  - **Map**: Move the map's focus to this location.
  - **Directions**: Get driving, public transport, or walking directions.
  - **Call**: Call the number provided in the location information.
  - **Street view**: Get a street-level view of this location (if available).
  - **What's nearby**: Get a list of nearby businesses and points of interest.
  - **Search nearby**: Enter search criteria to find nearby points of interest.
  - **Share this place**: Send the location information via Messaging, Email, Gmail, or Bluetooth.
  - **Report a problem with the map**: Send an error report to Google Maps.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

(For more information, refer to *"Media Hub"* on page 117.)

Note: Media Hub service requires a Media Hub account, and depends on service availability.

- From the **Applications** screen, touch **Media Hub**.

Memo

Create and manage text memos, and send memos via Bluetooth to paired Bluetooth devices.

- From the **Applications** menu, touch **Memo**.

Note: You can send a memo via Bluetooth. After creating a memo, touch **Menu** ➔ **Send** ➔ **Bluetooth,** then follow the prompts to send the memo to a paired Bluetooth device. To send a saved memo, touch and hold on the Memo to launch Bluetooth. (For more information about using Bluetooth, see *"Bluetooth"* on page 124.)

Mobile TV

You can watch television shows on you device. Select from a list of options.

- From the **Applications** screen, touch **Mobile TV**.

Important! After the trial period, charges for service apply. Contact your Wireless Provider for details.

Music Player

Play music files from an optional, installed memory card. (For more information, refer to *"Music Player"* on page 106.)

- From the **Applications** screen, touch **Music Player**.

My files

Find, view and manage files stored on an optional installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the **Applications** screen, touch **My files**.
2. Touch a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application (if the file is associated with an application).
4. While browsing files, use these controls:
   - Touch **Up** to go back up to a higher directory.
   - Touch **Home** to go back to the root directory.
   - Touch **Menu** for these options:
     - **Share**: Send or upload the file using AllShare, Bluetooth, Email, Gmail, Messaging, Photo editor, Picasa, Social Hub, Wi-Fi, or YouTube.
     - **Create folder**: Create a new folder for storing files.
     - **Delete**: Erase selected file(s).
     - **View by**: Display files as a List, as a List and details, or as Thumbnails.
     - **Sort by**: Sort files by Time, Type, Name, or Size.
     - **Move**: Relocate one or more selected files between USB storage and an optional microSD card.
     - **Copy**: Save a copy of one or more selected files to USB storage or an optional microSD card.
     - **Rename**: Change the name of a selected file.
     - **Settings**: Set options that Show hidden files, Show file extension, and/or Set Home directory.

MyContacts Backup

Synchronize your Contacts list with on-line storage associated with your Google account.

- From the **Applications** screen, touch **MyContacts Backup**.

Navigation

Google Maps Navigation is an internet-connected, turn-by-turn, GPS navigation system with voice guidance.

- From the **Applications** screen, touch **Navigation**.
  - To receive better GPS signals, avoid using your device in the following conditions:
    - Inside a building or between buildings
    - In a tunnel or underground passage
    - In poor weather
    - Around high-voltage or electromagnetic fields
    - In a vehicle with tinted windows

Photo editor

Photo Editor lets you basic adjust brightness, contrast, and color of pictures that you take on your phone. You can also apply a wide variety of effects to your photos. (For more information, refer to *"Photo Editor"* on page 121.)

- From the **Applications** screen, touch **Photo editor**.

Play Books

With Google Play Books, you can find more than 3 million free ebooks and hundreds of thousands more to buy in the eBookstore.

- From the **Applications** menu, touch **Play Books**.

Play Movies & TV

With Google Play Movies, you can rent or purchase thousands of different movies and/or purchase television series episodes. You can watch instantly, or download your movie or television series episode for offline viewing at a later time.

1. From the **Apps** screen, touch **Play Movies & TV**.
2. Log on to your Google account if you have not already done so.
3. Touch the **MOVIES** tab to view movies you have rented.

   Following the on-screen instructions for renting or purchasing movies and viewing movies.
4. Touch the **TV SHOWS** tab to view television series episodes you have rented.

   Following the on-screen instructions for purchasing and viewing television series episodes.
5. Touch the **PERSONAL VIDEOS** tab to view videos you have on your phone or memory card.
6. Touch for additional options.

Play Music

Play music files from an optional, installed memory card.

- From the **Applications** screen, touch **Play Music**. For more information, refer to *"Play Music"* on page 100.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

1. From the **Applications** screen, touch **Play Store**.
2. If not already logged in with your Google account, touch **Next**.
3. Touch **Sign in** and enter your Google account information.
4. Touch **Accept** to agree to the Play Store terms of service.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to Play Store. The Play Store home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the **Applications** screen, touch **Play Store**.
2. Browse through the categories, find an application you're interested in, and touch the name.
3. Read the application descriptions.

Important!: If the selected application requires access to data or control of a function on your phone, Play Store displays the information the application will access.

Touch **OK** if you agree to the conditions of the application. Once you touch **OK** on this screen you are responsible for using this application on the phone and the amount of data it uses. Use this feature with caution.

4. Touch **Install**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

5. If prompted, follow the on-screen instructions to pay for the application.
6. Check the progress of the current download by opening the Notifications panel.
7. After the item is downloaded and installed on your phone, the content download icon appears in the notification area of the status bar.
8. On the Play Store screen, touch and then touch **My Apps**, touch the installed application in the list, and then touch **Open**.

Tip: The newly downloaded applications display in the applications list and
are shown in alphabetical order if the View Type is set to Alphabetical grid or Alphabetical list, or at the end of the list if View type is set to Customizable grid.

Note: A data plan is required to use this feature. Charges may apply. Please contact your Wireless Provider for further details.

Polaris Office

Polaris™ Office is a Microsoft Office®-compatible office suite, that provides a central place for managing your documents on and off line.

- From the **Applications** screen, touch **Polaris Office**.

Search

With Google Search, you can search the Web and the contents of your phone's application list.

- From the **Applications** screen, touch **Search**.

Settings

Configure your phone to your preferences. (For more information, refer to *"Settings"* on page 153.)

- From the **Applications** screen, touch **Settings**.

Slacker Radio

Slacker offers free, internet radio for mobile phones.

Important! Before using this service, you must register and create a free account.

1. From the **Applications** screen, touch **Slacker Radio**.
2. If prompted, enter your Email address and password.

   – or –

   If you have not created an account, touch **Create Account**.
3. Begin selecting the music you want to listen to.

Social Hub

Social Hub offers an integrated interface for accessing your e-mails, instant messages, social network contents, and calendar contents from all major service providers.

To access Social Hub, follow these steps:

1. From the **Applications** screen, touch **Social Hub**. The Social Hub Welcome page describes all of the available features.
2. To setup your Social Hub account, touch **Set up now**.
3. Touch the Social Hub account type that you would like to setup.
4. Read the SNS disclaimer, touch **I accept all the terms above** check box, then touch **Agree** to continue.
5. touch **Next**.
6. Follow the on-screen instructions for adding an account.
7. From the Social Hub main screen, touch the **Feeds** or **Messages** tabs to see information pertaining to your account.
8. To add another account, touch **Menu** ➔ **Add account**.

Talk

Use Google Talk to chat with other Google Talk users. (For more information, refer to *"Google Talk"* on page 82.)

- From the **Applications** screen, touch **Talk**.

Task

Enter, prioritize, and review task descriptions.

- From the **Applications** screen, touch **Task**. (For more information, refer to *"Entering Text"* on page 51.)

Task manager

View and manage active applications.

- From the **Applications** screen, touch **Task manager**.

Tone Room Deluxe

Find, purchase, and download Ringtones and Ringback Tones.

- From the **Applications** screen, touch **Tone Room Deluxe**.

Video Maker

Video Maker lets you custom-make your own videos. You can add themes, music, pictures, and other videos to your video.

1. From the **Applications** screen, touch **Video Maker**.
2. Follow the on-screen instructions.

Video player

Play and manage videos stored on an optional installed memory card. (For more information, refer to *"Video player"* on page 115.)

- From the **Applications** screen, touch **Video player**.

Voice command

Voice command is advanced speech recognition software that recognizes your spoken commands to dial phone numbers, create messages, and launch phone features such as Contacts, Calendar, and Music Player.

To use Voice command, speak naturally into your phone, at a distance of 3-12 inches. There is no need to "train" Voice Control, it is designed to recognize natural speech.

1. From the **Applications** screen, touch **Voice command**.
2. Read the Samsung Disclaimer then touch **Confirm** to continue.
3. Read the Vlingo Terms of Service then touch **Agree** to continue.
4. Read the information on the **How to use Samsung voice** screen, then touch **Confirm**.
5. Swipe left or right to select a Voice command option.

   – or –

   Touch **Tap & Speak** to say what you want to do.
6. Follow the on-screen instructions.

Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

- From the **Applications** screen, touch **Voice recorder**.

Voice talk

With the Voice talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, or playing music.

1. From the **Applications** screen, touch **Voice talk**.
2. Read the Samsung Disclaimer then touch **Confirm** to continue.
3. Read the Vlingo Terms of Service then touch **Agree** to continue.
4. Read the information on the **How to use Samsung voice** screen, then touch **Next**.
5. Read the information on the **Wake up Voice talk** screen, then touch **Next**.
6. Read the information on the **What can I say?** screen, then touch **Done**.
7. At the Voice talk screen, touch on an icon for assistance in using Voice command or touch **Touch & Speak** to speak what you would like to do.
8. Follow the on-screen instructions.

Your Navigator Deluxe

Provides all the features of an advanced car navigation system. Obtain turn-by-turn driving directions with GPS accuracy. Search for any destination (including gas stations, ATMs, restaurants, and more). View detailed maps of any location.

Important! Your Navigator Deluxe requires you to activate the GPS location function on your phone. (For more information, refer to *"Location services"* on page 182.)

1. From the **Applications** menu, touch **Your Navigator Deluxe**.

Note: If the GPS location function on your phone is inactive, follow the prompts to activate it. (For more information, refer to *"Location services"* on page 182.)

Tip: The first time you launch Your Navigator Deluxe, your phone downloads Your Navigator Deluxe updates and applications not included with Your Navigator Deluxe to save storage. Activating Wi-Fi can save data charges during this download. (For more information, refer to *"Wi-Fi"* on page 123.)

2. From the Your Navigator Deluxe Home screen select one of the following options:
   - **Drive To**: Obtain turn by turn directions to an address, airport, contact address, and more.
   - **Places**: Search for nearby businesses, the cheapest gas prices, and more.
   - **Maps & Traffic**: View your current location on a map and any traffic in the area.
   - **Local Apps**: Launch applications that enhance Your Navigator Deluxe sessions.

YouTube

View and upload YouTube videos, right from your phone. (For more information, refer to *"YouTube"* on page 99.)

- From the **Applications** screen, touch **YouTube**.

Zappos

Shop for merchandise on Zappos.com.

- From the **Applications** menu, touch **Zappos**.

Section 12: Settings

Accessing Settings

- Touch **Home** → **Menu**, then touch **Settings**.

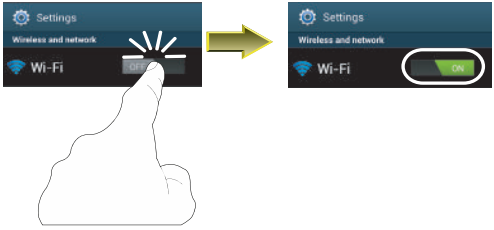
  – or –

  Navigate to a Home screen panel, then touch **Applications** → **Settings**.

  The **Settings** menu appears in the display.

Using Setting Sliders

- To enable or disable a setting, touch the setting slider as shown.



Accessing Additional Options

- To access additional setting options, touch the setting label.

Wireless and network

Wi-Fi

Set up and manage your phone's connections to Wi-Fi networks. Your phone supports Wi-Fi a/b/g/n.

For more information about using Wi-Fi, see *"Wi-Fi"* on page 123.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for nearby available Wi-Fi networks.

Tip: When you turn Wi-Fi service on, your phone automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from the Notifications panel.

Turn Wi-Fi On:

- From the **Settings** screen, touch **Wi-Fi** OFF.

  – or –

  From the Home screen and others, touch and swipe the Status Bar downward, then touch **Wi-Fi**.

Turn Wi-Fi Off:

- From the **Settings** screen, touch **Wi-Fi** ON.

  – or –

  From the Home screen and others, touch and swipe the Status Bar downward, then touch **Wi-Fi**.

Wi-Fi Settings

Configure and manage connections to Wi-Fi access points.

1. From the **Settings** screen, touch **Wi-Fi**. The **Wi-Fi networks** screen appears.
2. To search for available Wi-Fi hotspots, touch **Scan**.
3. Touch the following options to configure:
   - **Add network** (at the bottom of the Wi-Fi hotspot list): Connect to a new Wi-Fi network. For more information, see *"Adding a Wi-Fi Network Manually"* on page 124.
   - **Advanced**: View and configure your phone's Advanced Wi-Fi settings.

Advanced Wi-Fi settings

1. From the **Settings** screen, touch **Wi-Fi** → **Advanced**.
2. Configure settings:
   - **Network notification**: When enabled, your phone notifies you of nearby Wi-Fi networks when you launch a high data-usage application.
   - **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications, when the phone goes to sleep (when the backlight goes out). This setting can affect your data usage, and the behavior of devices you connect to your phone, such as when tethering or using Mobile Hotspot.
   - **Wi-Fi frequency band**: Select your phone's Wi-Fi band to Automatic selection, 5 GHz only, or 2.4 GHz only.
   - **MAC address**: (Not configurable) View your phone's MAC address, needed for connecting to some secured networks (only shows when Wi-Fi is active).
   - **IP address**: (Not configurable) View your phone's IP address (only shows when connected to a Wi-Fi network).

Bluetooth

Your phone supports Bluetooth® 3.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset**: HSP v1.2 profile supports use of compatible Bluetooth headsets for mono voice.
- **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other compatible Bluetooth devices with speakerphone capabilities.
- **Stereo**: A2DP v1.2, AVRCP v1.0, GAVDP 1.2, AVCTP 1.3 and AVDTP 1.2 profiles support delivery of stereo audio to compatible Bluetooth devices.
- **Object Exchange**: OPP v1.0 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices. PBAP v1.2 supports exchange of Phone Book Objects.
- **Human Interface Devices**: HID v1.0 profile supports certain interface devices.

- **Personal Area Networking**: PAN 1.0 supports exchange of data with other devices.
- **Message Access Profile**: MAP 1.0 allows exchange of messages between devices, such as with an automotive hands-free device.

Turning Bluetooth On or Off

Turn Bluetooth On:

- From the **Settings** screen, touch **Bluetooth** OFF.

Turn Bluetooth Off:

- From the **Settings** screen, touch **Bluetooth** ON.

Tip: You can also turn Bluetooth On or Off at the Notifications Panel.

Bluetooth settings

Pair and connect with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the **Settings** screen, touch **Bluetooth**.
2. Touch a setting to configure Bluetooth:
   - Touch **Bluetooth** OFF to turn Bluetooth On, or touch **Bluetooth** ON to turn Bluetooth Off.
   - Touch your phone's name to enable/disable its visibility to other devices' Bluetooth searches. Available when Bluetooth is On.
   - Touch **Scan** to search for visible Bluetooth devices. Touch a detected device to pair with it see *"Pairing with a Bluetooth Device"* on page 125).

- Touch **Menu** to access the following options:
  - **Device name**: Change your phone's Bluetooth device name.
  - **Visible time-out**: Select how long your phone will remain visible to other devices (2 min, 5 min, 1 hour, or Never timeout).
  - **Show received files**: Lists files received from other devices over Bluetooth connections.

Data usage

Control your device's connection to your Wireless Provider's data service, and monitor your data usage.

Turning Mobile data On or Off

1. From the **Settings** screen, under **Wireless and network**, touch **Data usage**. The **Data usage** screen appears.
2. Touch **Mobile data** OFF to turn Mobile data On, or touch **Mobile data** ON to turn Mobile data Off.

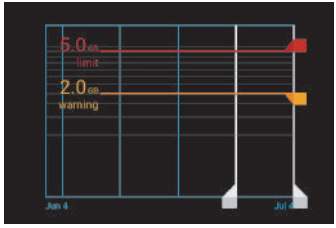
Tip: You can also turn Mobile data On or Off at the Notifications panel.

Setting a mobile data limit

Setting a mobile data limit causes your phone to automatically disable the Mobile data connection when the limit is reached. You can set a warning threshold, to have your device alert you when data usage nears your set limit.

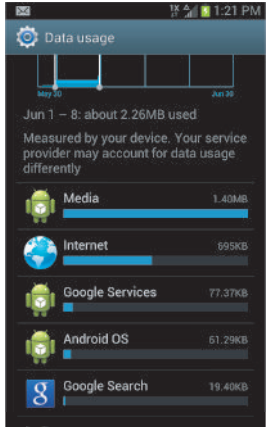
Data usage is measure by your device, and your service provider may account for usage differently, so you may want to consider using a conservative limit. Contact your service provider for more information on actual data usage.

1. From the **Settings** screen, under **Wireless and network**, touch **Data usage**. The **Data usage** screen appears.
2. Touch **Set mobile data limit** to enable the limit.
3. Configure the mobile data limit by touching and dragging the **limit** and **warning** lines on the graph.



Viewing data usage by app or process

1. From the **Settings** screen, under **Wireless and network**, touch **Data usage**. The **Data usage** screen appears.
2. Scroll down the page to see the top three processes or apps using mobile data service. Touch a process or app to see data usage for the process or app, and to configure specific settings.



More Wireless and Network Settings

Airplane mode

When airplane mode is enabled, all your phone's wireless connections are disabled, and you cannot make or receive calls [except for Emergency (E911) calls] or messages. You can, however, make Wi-Fi and Bluetooth connections.

While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or using other applications.

1. From the **Settings** screen, under **Wireless and network**, touch **More...**. The **Wireless and network** menu appears.
2. Touch **Airplane mode** to enable or disable airplane mode. When enabled, a check mark appears in the check box.

VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 126

Adding a VPN

1. From the **Settings** screen, touch **Wireless and network** → **More...** → **VPN**.

   You are prompted to set a screen unlock pattern, PIN, or password.
2. In the **Attention** pop-up, touch **OK**. The **Screen unlock settings** menu appears. (For instructions on selecting Screen unlock settings, see *"Security"* on page 183.)

Note: You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

3. Touch **Add VPN network** to set up a connection to a VPN, using the following settings:
   - **Name**: Enter a name for the VPN connection.
   - **Type**: Choose the type of VPN.
   - **Server address**: Enter the IP address of the VPN server.
   - **PPP encryption (MPPE)**: Touch to enable or disable encryption.
   - **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

USB tethering and Bluetooth tethering

Use Tethering to share your phone's internet connection with a computer by connecting the two using the USB data cable or a Bluetooth connection.

For more information about connecting computers to your phone via Tethering, see *"Tethering"* on page 127.

1. From the **Settings** screen, under **Wireless and network**, touch **More...** ➔ **Tethering**. The **Tethering and portable hotspot** menu appears.
2. Choose a tethering method:
   - **USB tethering**: Connect the computer to the phone using a USB cable, then touch **USB Tethering** to turn tethering On or Off. When On, the check mark becomes highlighted in the check box.
   - **Bluetooth tethering**: Pair your phone with the computer using a Bluetooth connection. Consult the computer's documentation for more information about configuring your computer to connect with other Bluetooth devices. Touch **Bluetooth Tethering** to turn tethering On or Off. When On, the check mark becomes highlighted in the check box.

Note: Using Tethering requires a subscription to your Wireless Provider's mobile data service.

Portable Wi-Fi Hotspot

Use Portable Wi-Fi Hotspot to share your phone's internet connection with up to 5 other devices, through Wi-Fi connections.

You can control whether devices connect to your Portable Wi-Fi Hotspot with the Allowed device list.

For more information about using your phone as a mobile Wi-Fi hotspot, see *"Portable Wi-Fi hotspot"* on page 127.

Note: Using Portable Wi-Fi Hotspot requires a subscription to data service. For more information, contact your Wireless Provider.

Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Turning Portable Wi-Fi hotspot On or Off

1. From the **Settings** screen, under **Wireless and network**, touch **More... → Tethering → Portable Wi-Fi hotspot**.
2. Touch **Portable Wi-Fi Hotspot** to enable or disable the Portable Wi-Fi hotspot. When enabled, the check mark becomes highlighted in the check box next to this option.

Note: Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Configuring Portable Wi-Fi hotspot

- From the **Settings** screen, under **Wireless and network**, touch **More... → Tethering → Configure portable Wi-Fi hotspot**. The **Configure portable Wi-Fi hotspot** pop-up appears. The following options are available:
  - **Router name (SSID)**: View and change the name of your Mobile Hotspot.
  - **Security**: Choose the security level for your Portable Wi-Fi Hotspot.
  - **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
  - **Show password**: Enable to make the Password field visible.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, some printers support Wi-Fi Direct, and you could print from your phone via Wi-Fi Direct.

Turning Wi-Fi Direct On or Off

1. From the **Settings** screen, under **Wireless and network**, touch **More...**.
2. Touch **Wi-Fi Direct**

to turn Wi-Fi Direct On, or touch **Wi-Fi Direct**

to turn Wi-Fi Direct Off.

   The **Wi-Fi Direct** screen appears, and your phone scans for available Wi-Fi Direct devices and lists them under **Available devices**.

Configuring Wi-Fi Direct

1. From the **Settings** screen, under **Wireless and network**, touch **More...**.
2. Touch **Wi-Fi Direct** to configure settings:
   - When you turn on Wi-Fi Direct, your device automatically searches for available Wi-Fi Direct devices nearby. Touch **Scan** to start a new search.
   - After scanning for nearby devices, touch a device to connect to it, then follow the prompts to complete the connection.

Mobile networks

Set options for network selection, data service, and roaming behavior.

1. From the **Settings** screen, under **Wireless and network**, touch **More...** → **Mobile networks**. The **Mobile network** screen appears.
2. Set these options:
   - **Use packet data**: Enable or disable your phone's connection to the mobile data network. You can also control this setting at Notifications with the Mobile data toggle.
   - **Data roaming**: Enable or disable connection to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 18.
   - **System select**: Configure CDMA roaming mode.
     - **Home only**: Restricts your phone to your Wireless Provider's network.
     - **Automatic**: Permits your phone to automatically roam to networks other than that provided by your Wireless Provider.

Device

Call settings

- From the **Settings** screen, under **Device**, touch **Call Settings**. The **Call Settings** menu appears.

Set reject messages

Create and manage text messages to send to callers when you select **Reject call with message** in the **Incoming call** screen.

1. From the **Settings** screen, under **Device**, touch **Call Settings** → **Set reject messages**.
2. Manage messages:
   - To create new messages, touch **Create**, then follow the prompts.
   - To modify an existing message, touch the message, then edit the text.

Turn on proximity sensor

During a call with this option enabled, the proximity sensor puts the screen to sleep when you hold the phone toward and close to your head.

To enable or disable this option:

- From the **Settings** screen, under **Device**, touch **Call Settings → Turn on proximity sensor**.

  When enabled, the check mark becomes highlighted in the check box.

North American dialing

When enabled, you can begin dialing a number outside the North American Dialing Plan by touching and holding the 0 + key (a "**+**" appears in the **Keypad** screen. Then, when you touch to dial the number, this option replaces the "**+**" with the International Dialing Code "**011**".

To enable or disable this option:

- From the **Settings** screen, under **Device**, touch **Call Settings → North American dialing**.

  When enabled, the check mark becomes highlighted in the check box.

International dialing

Change your phone's International Dialing Code to that used at your current location outside the North American Dialing Plan.

1. From the **Settings** screen, under **Device**, touch **Call Settings → North American dialing** to disable that option.

   When disabled, the check mark turns gray in the check box, and the **International dialing** option becomes active.
2. Touch **International dialing**. The **International dialing** pop-up and a numeric keypad appear.
3. Enter changes to the International Dialing Code. (For more information, refer to *"Entering Text"* on page 51.)
4. To save your changes, touch **OK**.
5. To activate your new International Dialing Code, touch **North American dialing**.

   When enabled, the check mark becomes highlighted in the check box.

View call timer

View the durations of the Last call, Outgoing Calls, Incoming Calls, Roaming Calls, All calls, and Lifetime Calls. Also view the date and time of the Last Reset of all call timers except Lifetime Calls.

1. From the **Settings** screen, under **Device**, touch **Call Settings** → **View call timer**.

   The **View call timer** menu appears.
2. To reset all call timers except Lifetime Calls, touch **Menu**, then touch **Reset**.

Auto retry

Auto Retry automatically re-dials a number when there is no answer or the dialed party is busy. Depending upon your location, the number of times your phone redials a number may vary.

To enable or disable this option:

- From the **Settings** screen, under **Device**, touch **Call Settings** → **Auto retry**.

  When enabled, the check mark becomes highlighted in the check box.

TTY mode

Your phone is fully Teletypewriter (TTY)/Telecommunication Device for the Deaf (TDD) compatible. You connect TTY/TDD equipment to the headset connector on the top of your phone. You can set your phone to allow TTY/TTD communication while you converse with the other party, or you can limit voice communication to Talking or Hearing only.

Note: TTY mode must be enabled before you can use your phone with TTY/TDD equipment.

The **TTY mode** option has no effect on the phone's earpiece, microphone, or speaker. When you select **Full TTY**, all currently enabled sound functions remain enabled.

---

1. From the **Settings** screen, under **Device**, touch **Call Settings** → **TTY mode** to enable/disable that option.

   The **TTY mode** pop-up appears.
2. To disable TTY mode, touch **TTY mode off**.
3. To enable TTY mode, touch **Full TTY**, **TTY HCO** (TTY + hear), or **TTY VCO** (TTY + talk).

DTMF tones

DTMF Tones lets you set your phone to produce either **Normal** length DTMF tones (the default setting) or **Long** DTMF tones when dialing phone numbers.

Tip: Some automated systems react better to Long DTMF tones.

Call Restrictions

Restriction lets you limit the use of your phone to make outgoing calls and/or to receive incoming calls to any numbers, to no numbers, or to calls from/to your Contacts.

1. From the **Settings** screen, under **Device**, touch **Call Settings → Call Restrictions**. The following options are available:
2. Select the call direction you want to allow or restrict:
   - **Incoming**: Restrict/allow incoming calls.
   - **Outgoing**: Restrict/allow outgoing calls.
3. Select the level of allowance or restriction:
   - **Allow All**: No restriction on calls.
   - **Allow Contacts**: (All calls except Data) No restriction on calls to and from Contacts only.
   - **Allow None**: Restrict (block) calls.

Note: Default setting for all Call Restrictions is **Allow All**.

Voice privacy

When enabled, this option places your phone in Enhanced mode (the default setting is disabled), your phone provides stronger voice encryption (where available) and sounds an audible beep when you loose privacy (encryption) on a CDMA connection.

To enable or disable this option:

- From the **Settings** screen, under **Device**, touch **Call Settings** → **Voice privacy**.

  When enabled, the check mark becomes highlighted in the check box.

Auto Answer

Auto Answer enables your phone to automatically answer calls after a period of time that you specify.

1. From the **Settings** screen, under **Device**, touch **Call Settings** → **Auto Answer**. The following options are available:
   - **Off**: Disables automatic answering of calls.
   - **After 1 Second**: Phone automatically answers calls after 1 second.
   - **After 3 Second**: Phone automatically answers calls after 3 seconds.
   - **After 5 Second**: Phone automatically answers calls after 5 seconds.
2. Select the desired setting.

Emergency Numbers

Your phone provides the option of storing three emergency numbers. Each number can be up to 32 digits in length. All emergency numbers can be manually called at any time, even when your phone is locked or restricted. This can be a useful feature for controlling outgoing calls from your phone.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important! Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important! DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications. Remember to always turn your phone on and check for adequate signal strength before placing a call.

Store Emergency Numbers

1. From the **Settings** screen, under **Device**, touch **Call Settings** → **Emergency Numbers**. The following options are available:
2. Select from the three emergency number entries.
3. Enter an emergency number (up to 32 digits in length).
4. Touch **Save** to save the number that you entered.

Sound Settings

- From the **Settings** screen, under **Device**, touch **Sound Settings**. The **Sound Settings** menu appears.

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the Volume key Up or Down.

1. From the **Sound** menu, under **General**, touch **Volume**. The **Volume** menu pops-up.
2. Touch and drag the sliders for:
   - **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
   - **Ringtone**: Set the volume for incoming call ringtones.
   - **Notifications**: Set the volume for notifications, such as new messages and event reminders.
   - **System**: Set the volume for all other system sounds, such as key tones played for screen touches. You can control whether tones play for screen touches with other sound settings.
3. Touch **OK** to save your settings.

Vibration intensity

Choose the vibration intensities to use when vibration is enabled.

1. From the **Sound** menu, under **Ringtone and notifications**, touch **Vibration intensity**. The **Vibration intensitys** menu pops-up.
2. Touch and swype the **Ringtone**, **Notification**, and **Vibrate on screen tap** sliders as desired. The vibration being adjusted provides a sample of the intensity selected.
3. Touch **OK** to save your selection.

Silent mode

Temporarily silence all the sounds your phone makes except for media playback and alarms.

- From the **Sound** menu, touch **Silent mode**. The pop-up appears with the following options:
  - **Off**: All the sounds your phone makes play according to your **Volume** setting.
  - **Vibrate**: All of the sounds your phone makes, except for media playback and alarms, are replaced by vibrations.
  - **Mute**: None of the sounds your phone makes play, except for media playback and alarms

Phone ringtone

Choose a ringtone for incoming calls.

1. From the **Sound** menu, under **Ringtone and notifications**, touch **Phone ringtone**. The **Phone ringtone** menu pops-up.
2. Touch a ringtone to select it. When you touch a ringtone, a sample plays, unless you have a Silent mode enabled.
3. Touch **OK** to save your selection.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, refer to *"Music Player"* on page 142.

Default notifications

Choose a default sound to play for notifications, such as for new messages and event reminders.

1. From the **Sound** menu, under **Ringtone and notifications**, touch **Default notifications**. The **Default notifications** menu pops-up.
2. Touch a sound to select it. When you touch a sound, a sample plays.
3. Touch **OK** to save your selection.

Tip: You can also set songs as ringtones. For more information, refer to *"Music Player"* on page 142.

Vibrate and ring

When enabled, vibration is played at the same time as sounds for calls and alerts.

- From the **Sound** menu, under **Ringtone and notifications**, touch **Vibrate and ring** to enable or disable the feature.

  When **Vibrate and ring** is enabled, the check mark becomes highlighted in the check box.

Keytones

Keytones are sounds that play when you touch keys on the Phone keypad.

- From the **Sound** menu, under **System**, touch **Keytones** to enable or disable key sounds.

  When **Keytones** is enabled, the check mark becomes highlighted in the check box.

Touch sounds

Touch sounds play when you touch items on the screen, such as when making a selection.

- From the **Sound** menu, under **System**, touch **Touch sounds** to enable or disable touch sounds.

  When **Touch sounds** is enabled, the check mark becomes highlighted in the check box.

Screen lock sound

Screen lock sound plays when you lock or unlock the screen.

- From the **Sound** menu, under **System**, touch **Screen lock sound** to enable or disable the Screen lock sound.

  When **Screen lock sound** is enabled, the check mark becomes highlighted in the check box.

Vibrate on screen tap

When enabled, your phone vibrates whenever you touch an available on-screen control or option.

- From the **Sound** menu, under **System**, touch **Vibrate on screen tap** to enable or disable the feature.

  When **Vibrate on screen tap** is enabled, the check mark becomes highlighted in the check box.

Emergency tone

When set to Alert (the default setting) and during an Emergency (911) Call, the phone plays a tone that emergency personnel can use to locate your phone.

Caution! When you are endangered by intruders, you should disable Emergency tone before placing an Emergency Call.

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1. From the **Sound** menu, under **System**, touch **Emergency tone**.
2. Touch **Alert** or **Vibrate**, or touch **Off** for no emergency tone.

Display Settings

- From the **Settings** screen, under **Device**, touch **Display Settings**. The **Display Settings** menu appears.

Home screen wallpaper

Customize the Home screen's background.

1. From the **Display Settings** menu, under **Screen display**, touch **Home screen wallpaper**. The **Select wallpaper from** menu pops-up.
2. Select a source for wallpaper, from **Gallery**, **Live wallpapers**, or **Wallpaper gallery**.
3. Follow the prompts to set a picture or wallpaper.

Note: You can also set Wallpaper by touching and holding on the Home screen.

Lock screen wallpaper

Customize the Lock screen,s background.

1. From the **Display Settings** menu, under **Screen display**, touch **Lock screen wallpaper**. The **Select wallpaper from** menu pops-up.
2. Select a source for wallpaper, from **Gallery** or **Wallpaper gallery**.
3. Follow the prompts to set the picture or wallpaper.

Clock

When enabled, this option displays the time, date, and day of the week on the Lock screen.

- From the **Display Settings** menu, under **Screen display**, touch **Clock** to enable/disable the clock display on the Lock screen.

  When **Clock** is enabled, the check mark becomes highlighted in the check box.

Weather

When enabled, this option displays your location, the temperature, and the current weather conditions on the Lock screen.

- From the **Display Settings** menu, under **Screen display**, touch **Weather** to enable/disable the clock display on the Lock screen.

  When **Weather** is enabled, the check mark becomes highlighted in the check box.

Note: When you enable the **Weather** option, follow any prompts to make requried **Location services** settings.

Weather settings

With the **Weather** option enabled, set the temperature scale and weather information refresh rate for the Weather displayed on the Lock screen.

- From the **Display Settings** menu, under **General**, touch **Weather settings**. The Accuweather **Settings** menu pops-up listing the following options:
  - **Unit**: Select the desired temperature scale (**°C** or **°F**).
  - **Auto refresh**: Select the weather data refresh interval (**None**, **Every 1 hour**, **Every 3 hours**, **Every 6 hours**, **Every 12 hours**, or **Every 24 hours**).

Clock and weather position

With the **Weather** option enabled, select where weather information appears on the Lock screen.

1. From the **Display Settings** menu, under **General**, touch **Clock and weather position**. The **Clock and weather position** menu pops-up.
2. Select the desired Lock screen location for the Weather information (**Top**, **Middle**, or **Bottom**).

Brightness

Set the default screen brightness.

1. From the **Display Settings** menu, under **General**, touch **Brightness**.
2. Touch and drag the slider to set the brightness.

   – or –

   Touch **Automatic brightness** to enable/disable the phone automatically adjusting screen brightness in response to light conditions.
3. Touch **OK** to save the setting.

Screen mode

Set the default screen contrast.

1. From the **Display Settings** menu, under **General**, touch **Screen mode**. The **Screen mode** menu appears.
2. Select the desired contrast setting (**Dynamic**, **Standard**, **Movie**). The effects of your selection appear on the image on the screen.
3. Touch **Done** to save the setting.

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the phone.

- From the **Display** menu, under **General**, touch **Auto-rotate screen** to enable/disable the feature.

  – or –

  From the Home screen and others, touch and swipe the Status Bar downward, then touch **Screen rotation** to enable **Auto-rotate screen**/touch **Screen rotation** to disable **Auto-rotate screen**

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the **Display** menu, under **General**, touch **Screen timeout**.
2. Touch **15 seconds**, **30 seconds**, **1 minute**, **2 minutes**, **5 minutes**, or **10 minutes** to select it.

Font style

Set the font for screen displays.

1. From the **Display** menu, under **General**, touch **Font style**. The **Choose new font** menu pops-up.
2. Select a font, or touch **Get fonts online** to browse and download a new font.

Pulse notification light

When enabled, this option flashes the LED indicator (at the top right corner of the phone face) when you receive an alert or notification.

- From the **Display Settings** menu, under **General**, touch **Pulse notification light** to enable/disable pulsing the LED indicator when you receive an alert or notification.

  When **Pulse notification light** is enabled, the check mark becomes highlighted in the check box.

Display battery percentage

When enabled, the battery's percentage of charge remaining displays on the Status bar, under the Battery icon.

- From the **Display Settings** menu, under **General**, touch **Display battery percentage** to enable/disable the setting.

  When **Display battery percentage** is enabled, the check mark becomes highlighted in the check box.

Touch key light duration

Set the length of time the Command keys at the bottom of the phone's face (Menu, Home, Back, and Search) remain lighted after you touch them.

1. From the **Display** menu, under **General**, touch **Key backlight duration**.
2. Select **1.5 seconds**, **6 seconds**, **Always off**, or **Always on**.

Auto adjust screen power

When enabled, this option automatically controls screen power consumption by controlling frame refresh rate and brightness.

- From the **Display Settings** menu, under **General**, touch **Auto adjust screen power** to enable/disable the option.

  When **Auto adjust screen power** is enabled, the check mark becomes highlighted in the check box.

Gyroscope calibration

Calibrate your phone's motion sensors.

1. From the **Display Settings** menu, under **General**, touch **Gyroscope calibration**.
2. Follow the prompts to calibrate the motion sensors.

Power saving mode

Configure Power saving settings to conserve battery power.

1. From the **Settings** screen, under **Device**, touch **Power saving mode**. The **Power saving mode** screen appears.
2. Touch the following **Power saving mode settings** to enable or disable them. (When an option is enabled, the check mark in its check box becomes highlighted.):
   - **System power saving**: When enabled, Power saving mode uses the default power settings.
   - **Use power saving mode**: When enabled, the phone switches to Power saving mode when battery charge level is low.
   - **Custom power saving settings**: Power saving mode uses these settings when **System power saving** is disable.
     - **Power saving starts at**: Set the percentage of battery power remaining at which the phone switches to Power saving mode (10% – 50%).
     - **Turn off Wi-Fi**: Automatically turns off Wi-Fi when you are not connected with Mobile AP.
     - **Turn off Bluetooth**: Automatically turns off Bluetooth when it is not in use.
     - **Turn off GPS**: Automatically turns off GPS when it is not in use.
     - **Turn off Sync**: Automatically turns off Sync when the phone is not synchronizing with the server.
     - **Brightness**: Automatically adjusts screen brightness to the percentage set for the next Brightness option. Tap this option to enable the next Brightness option.
     - **Brightness**: Set the screen Brightness percentage.
     - **Screen time-out**: Set the time before the screen automatically turns off and goes into lock mode.
3. Under **Power saving tips**, touch **Learn about power saving** to read information about Power saving options.

Storage

Manage the use of memory resources in your phone's Device memory, and on an installed memory card.

1. From the **Settings** screen, under **Device**, touch **Storage**. The **Storage** screen appears. The following options are available:
   - **Device memory**: View usage of, and manage, your phone's internal system memory (For detailed information and to manage storage in use, touch any item except **Total space** or **Available space**.):
     - **Total space**: Shows the total device memory installed on your phone.
     - **Applications**: Shows the total device memory currently used to store applications.
     - **Available**: Shows the total device memory available for use.
   - **USB storage**: View usage of, and manage, your phone's internal Mass Storage memory (For detailed information and to manage storage in use, touch any item except **Total space** or **Available space**.):
     - **Total space**: Shows the total internal Mass Storage memory.
     - **Applications**: Shows the total internal Mass Storage memory currently used to store applications.
     - **Pictures, videos**: Shows the total internal Mass Storage memory currently used to store pictures and videos.
     - **Miscellaneous files**: Shows the total internal Mass Storage memory currently used to store various application data and system data files.
     - **Available**: Shows the total internal Mass Storage memory available for use.
     - **Format USB storage**: Deletes all data from internal Mass Storage memory, including applications, music, videos, and photos.

- **SD card**: View usage of, and manage, storage space on an optional memory card.
  - **Total space**: Shows the total card memory.
  - **Available**: Shows the total card memory available for use.
  - **Unmount** / **Mount SD card**: Deactivates/Activates the memory card so that you can safely remove it. (For more information, see *"Installing and Removing a Memory Card"* on page 129.)
  - **Format SD card**: Deletes all data from the memory card, including music, videos, and photos. (For more information, see *"Formatting a Memory Card"* on page 129.)

Battery

See how much battery power is being used by device activities.

1. From the **Settings** screen, under **Device**, touch **Battery**. The **Battery** screen appears.
2. View battery usage for applications and services currently running.

   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
3. Touch **Screen**, **Android System**, **Android OS**, or any other listed feature or application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Applications

You can download and install applications from the Google Play™ Store, or create applications using the Android SDK and install them on your phone. Use Application manager to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

1. From the **Settings** screen, under **Device**, touch **Applications**. The **Applications** screen appears.
2. Touch **Downloaded**, **On SD card**, **Running**, or **All** to list the statuses of applications and services. The graph at the bottom of the **Downloaded** tab shows used and free Device memory. The graph at the bottom of the **On SD card** tab shows used and free **USB storage**. The graph at the bottom of the **Running** tab shows **used** and **free RAM**.
3. Touch an app or service to display the **App info** or **Active app** screen which provides more detailed storage usage information, and lets you Stop/Force stop or Uninstall/Report and app or service. For Downloaded apps, you can also Clear data, Clear cache, and/or Clear defaults.

Personal

Accounts and sync

Set up and manage accounts, including your Samsung, Google, Backup Assistant Plus, and social networking accounts.

- From the **Settings** screen, under **Personal**, touch **Accounts and sync**. The **Accounts and sync** screen appears. The following options are available:
  - **Accounts and sync**: When enabled, all accounts sync data at any time, automatically.
    - Touch **Accounts and sync**

to enable automatic synchronization of all accounts.
    - Touch **Accounts and sync**

to disable automatic synchronization of all accounts.
  - Accounts list: Touch an account and its **Sync settings** screen appears with the following options.
    - **Common settings** / **General settings**: When available, lets you change the configuration of the selected account.
    - **Data and synchronization**: View, enable, and disable individual synchronization items.
    - **Sync now**: Touch to sync the selected account.
    - **Remove account**: Touch to remove the selected account.
  - **Sync all**: Touch to synchronize all accounts.
  - **Add account**: Touch to launch the **Add account** screen, select the desired account type, follow the prompts to define the account to your phone.

Location services

Location services control your device's use of Wi-Fi, mobile network, and GPS location signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

1. From the **Settings** screen, under **Personal**, touch **Locations services**. The **Location services** screen appears.
2. Touch the following options to enable/disable them. (When an option is enabled, a check mark appears in its check box.):
   - **Google location service**: Uses data from mobile networks and Wi-Fi to help determine your location.
   - **GPS satellites**: Uses GPS to pinpoint your location.

Note: Google location service must be enabled to use some applications.

GPS satellites must be enabled to use some applications. You can also enable or disable **GPS** from the Notifications panel. For more information, refer to *"Notification Panel"* on page 30.

Important! By selecting **GPS satellites**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means.

- **Location and Google search**: Lets Google use your location data for improved search results and other services.

Important! By selecting **Location and Google search**, you are allowing Google's location service to collect anonymous location data. Some data may be stored on your device. Collection may occur even when n o apps are running.

Security

- From the **Settings** screen, under **Personal**, touch **Security**. The **Security** screen appears.

Screen security

Choose settings for locking and unlocking your phone.

For more information about using the lock and unlock features, see *"Securing Your Phone"* on page 18.

- From the **Security** screen, under **Screen security**, touch the following options to access additional options:
  - **Screen lock**: Touch one of the following options to select it as your custom screen lock/unlock method:
    - **None**: Disable all custom screen lock settings.
    - **Slide**: When enabled, you unlock the phone by swiping your finger across the screen. This is the default screen lock, and offers no security.
    - **Face unlock**: When enabled, you unlock the phone by looking at the screen. This option offers low security, because someone who looks similar to you could unlock your phone. Touch the option for more information, and to set up Face unlock.
    - **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the phone. Touch the option, then follow the prompts to create or change your screen unlock pattern.
    - **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the phone.
    - **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the phone.
  - **Owner information**: Touch this option to enter text you want displayed on the Lock screen. The following options are available:
    - **Show owner info on lock screen**: When enabled, displays text you enter in the text box on the Lock screen.
    - **Enter text to display on lock screen**: In this box, enter text you want displayed on the lock screen. (For more information about entering text, see *"Entering Text"* on page 51.)

Encryption

As a security measure, you can encrypt the contents of your phone or an installed memory card, and require a password each time you turn on the phone or access the memory card.

Encryption may take an hour or more to complete. Start with a charged battery, and attach the charger until encryption is complete. Loss of power or other interruption may cause the loss of some or all data.

Once your information is encrypted you will be prompted to enter your decryption password each time you turn your phone on.

- From the **Security and lock screen** screen, under **Encryption**, touch the following options to encrypt your information:
  - **Encrypt device**: Touch this option to encrypt accounts, settings, downloaded applications and data, media files, and more under a password you specify.
  - **Encrypt SD card**: Touch this option to encrypt selected information stored on a microSD memory card under a password you specify. The following additional **Encryption settings** are available:
    - **Encrypt SD card**: When enabled, new files on the memory card will be encrypted as they are added.
    - **Full encryption**: When enabled, all files on the memory card will be encrypted.
    - **Exclude multimedia files**: When enabled, multimedia files on the memory card will not be encrypted.

Passwords

When enabled, password characters display briefly as you enter them.

- From the **Security and lock screen** screen, under **Passwords**, touch the following option to enable/disable it: (When the option is enabled, a check mark appears in the check box.)
  - **Make passwords visible**: When enabled, briefly displays password characters as you enter them.

Device administration

View or disable device administrators. Some applications, such as corporate Email, may require you allow access to your device by device administrators in certain circumstances, such as if your phone is lost or stolen.

Some features a device administrator might control include:

- Setting the number of failed password attempts before the phone is restored to factory settings.
- Automatically locking the phone.
- Restoring factory settings on the phone.

- From the **Security and lock screen** screen, under **Device administration**, touch the following options to enable/disable them: (When an option is enabled, a check mark appears in its check box.)
  - **Device administrators**: View, add, or remove device administrators.
  - **Unknown sources**: When enabled, you can install applications from sources other than Google Play®.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Credential storage

You can install credentials with an application, from device storage, or from an installed memory card, and use the **Credential storage** settings to allow applications to access the secure certificates and other credentials.

- From the **Security and lock screen** screen, under **Credential storage**, touch the following options to enable/disable them. (When an option is enabled, a check mark appears in its check box.):
  - **Trusted credentials**: View, enable, or disable trusted CA certificates.
  - **Install from device storage**: Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

  - **Clear credentials**: Clear stored credentials and reset the password.

Note: This setting is only available if you have installed certificates.

Language and input

- From the **Settings** screen, under **Personal**, touch **Language and input**. The **Language and input** screen appears.

Language

Select the language used in your phone's screens.

- From the **Language and input** screen, touch **Language** to select the language used in your phone's screens.

Keyboards and input methods

Configure text entry options to your preferences.

- From the **Language and input** screen, under **Keyboards and input methods**, touch the check box next to each of the following options to enable it. (When enabled, a check mark appears in the check box.):
  - **Default**: Review and select the default method (**Samsung keyboard** or **Swype**) for manually entering text.
  - **Google voice typing**: Lets you vocally dictate the text entered into a field. Touch beside **Google voice typing** to configure the following options:
    - **Select input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
    - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

- **Samsung keyboard**:

  Touch beside **Samsung keyboard** to configure the following options:

Note: This option cannot be disabled.

  - **Portrait keyboard types**: Choose the default keypad when the screen is in portrait mode, from Qwerty or 3x4 keyboard (similar to a phone keypad).
  - **Input language**: Select languages for the Samsung keyboard.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

  - **XT9**: When enabled, XT9 suggests words matching your text entries and optionally, complete common words automatically. Touch **XT9 advanced settings** to configure the following options:

    Word completion: When enabled, XT9 automatically completes words matching your key touches.

    Word completion point: Choose the number of letters XT9 uses to predict words for automatic completion.

    Spell correction: Enable for automatic spelling check and correction.

    Next word prediction: When enabled, the system predicts the next word based on common usage patterns.

    Auto-append: When enabled, the most common predicted word is automatically added to your text.

    Auto-substitution: When enabled, T9 automatically replaces words you enter with words from the auto substitution list.

    Regional correction: When enabled, T9 automatically changes the spelling of words based on norms for your default language.

    Recapture: When enabled, T9 re-displays matching words when you make corrections to a word inserted automatically.

    XT9 my words: Add words to your T9 predictive text dictionary.

    XT9 auto-substitution: Manage the list of words T9 uses for auto-substitution (Auto-substitution setting must be enabled).

– **Keypad sweeping**: When enabled, you can sweep your finger over keypad letters to enter words. When you lift your finger, a word matching your sweep is entered automatically. Available when **Predictive text** is enabled.

– **Character preview**: When enabled, characters available on the key you touch display briefly as you enter text.

– **Auto-capitalization**: When enabled, T9 automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.

– **Handwriting settings**: Samsung keyboard recognizes on-screen tracing of words. Touch **Handwriting settings** to configure the following options:

Recognition time: Select 0.1 S, 0.3 S, 0.5 S, 1 S, or 2 S.
About: Lists DioPen Gesture Methods.

– **Voice input**: When enabled, the voice input key appears on the keyboard.

– **Auto-full stop**: When enabled, a period and space are automatically entered to end a sentence, when you tap the space bar twice.

– **Tutorial**: View help for using T9 predictive text.

• **Swype**:

Touch beside **Swype** to configure the following options:

– **Select Input Method**: Switch between Samsung keypad and Swype.

– **How to Swype**: Provides tips on how to use Swype.

– **Personal dictionary**: Setup and manage your own dictionary.

– **Preferences**: View and modify the following Swype options:

Audio feedback: When enabled, plays sounds as you enter text.

Vibrate on keypress: check this field to have the phone vibrate each time you touch a key on the keyboard.

Show tips: When enabled, the phone displays helpful tips.

Auto-spacing: When enabled, inserts spaces automatically when you pause entering text.

Auto-capitalization: When enabled, automatically capitalizes the first letter of the first word in a sentence.

Show complete trace: When enabled, briefly display the Swype trace.

Word suggestion: When enabled, suggests possible matching words as you enter text.

Speed vs. accuracy: Send the sensitivity of Swype text recognition.

Reset Swype's dictionary: Deletes all of the words you have added and loads the default dictionary.

– **About**:

Version: View the current Swype software version.

– **Language Options**: Set the language to use with Swype.

Speech

- From the **Language and input** screen, under **Speech**, the following options are available:
  - **Voice recognizer**: Choose a voice recognition engine for your phone's voice recognition features (Google or Samsung powered by Vlingo).
  - **Voice search**: Configure how **Voice search** reacts to your speech.
    - **Language**: Choose a language for voice searching.
    - **SafeSearch**: Set the sensitivity for filtering of explicit images from the results of your Google voice searches (Off, Moderate, or Strict).
    - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
    - **Personalized recognition**: Train **Voice search** to more accurately recognize your voice.
    - **Google Account dashboard**: Manage data collected under your Google account.

- **Text-to-speech output**: Provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.
  - **Preferred TTS engine**: Select **Pico TTS**. Touch beside **Swype** to configure the Language, Settings for Pico TTS, and Install voice data options.
  - **General**:

    Speech rate: Choose a rate at which text readouts are spoken.
    Listen to an example: Play a sample of speech synthesis.
    Driving mode: When enabled, incoming calls and new notifications are read out automatically.
    When enabled, touch **Driving mode** to choose items to be read out when Driving mode is enabled (Incoming call, Message, New emails, New voicemail, Alarm, Schedule, and/or Unlock screen).

Mouse/trackpad

Customize the response of your screen swipes.

- From the **Language and input** screen, under **Mouse/trackpad**, touch **Pointer speed**, then touch and drag along the scale, and touch **OK** to set the pointer speed.

Privacy

Factory data reset

Use Factory data reset to return all settings to the defaults, and remove all data from the phone.

- From the **Backup and reset** screen, touch **Privacy**, then touch **Factory data reset** to return all settings to the defaults, and remove all data from the phone.

Important! Settings and data erased in a Factory data reset cannot be recovered. To save your settings, you can use Back up my data settings before a reset.

System

Configure your phone's behavior when you connect it to optional accessories (not included).

- From the **Settings** screen, under **System**, touch **Accessory**. The **Accessory** screen appears.

Dock

Configure your phone's behavior when it is connected to an optional Dock (not included).

1. From the **Settings** screen, under **System**, touch **Dock**.The Dock menu appears.
2. Touch the check box next to each of the following options to enable it: (When enabled, a check mark appears in the check box.)
   - **Audio output mode**: When enabled, audio plays through the Dock speakers when the phone is docked.

Date and time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the **Settings** screen, under **System**, touch **Date and time**.
2. Touch a setting to configure:
   - **Automatic date and time**: When enabled, the phone takes date and time updates from the wireless network (disables Set date and Set time).
   - **Automatic time zone**: When enabled, the phone uses the network-provided time zone.
   - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   - **Set time**: Enter the current time (only available when Automatic date and time is disabled).
   - **Select time zone**: Choose your local time zone (only available when Automatic date and time is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

Accessibility

Your phone offers features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

- From the **Settings** screen, under **System**, touch **Accessibility**. The **Accessibility** screen appears.

Talkback

- From the **Accessibility** screen, under **Services**, touch the following option:
  - **TalkBack**: When enabled in the **TalkBack** screen, recites menu options, application titles, contacts, and other items when scrolling and making selections, according to the **Settings** values you select.

System

- From the **Accessibility** screen, under **System**, touch the check box next to each of the following options to enable it: (When enabled, a check mark appears in the check box.)
  - **The power key ends calls**: Lets you can end voice calls by pressing the **Power/Lock** key.
  - **Auto-rotate screen**: The screen's orientation automatically changes when you rotate the phone.
    You can also set Auto rotate on the Notifications panel with the **Screen rotation** setting.
  - **Speak passwords**: Lets you speak passwords for log-ins.
  - **Tap and hold delay**: Set the length of delay (Short, Medium, or Long) your phone allows between touching the screen and holding that touch on the screen.
  - **Install Web scripts**: Lets you elect to Allow or Do not allow apps to install scripts from Google to make the apps' Web content more accessible.

Motion

- From the **Settings** screen, under **System**, touch **Motion**. The **Motion** menu appears. The following options are available:
  - **Motion activation**: When enabled, activates the succeeding options in this menu.
  - **Tilt to zoom**: Use this Motion with the Gallery and Internet apps to reduce or enlarge a image or Web page. Touch this option to set the Sensitivity and Learn about this Motion.
  - **Pan to edit**: Use this Motion to move icons from one Home screen panel to another. Touch this option to set the Sensitivity and Learn about this Motion.
  - **Double tap**: Touch this option to Learn about this Motion.
  - **Turn over to mute**: Touch this option to Learn about this Motion.

Developer options

Use the Developer options to set options for Android application development and testing.

1. From the **Settings** screen, under **System**, touch **Developer options**.
2. Read the error warning information in the **Developer options** pop-up and touch **OK**. The **Developer options** screen appears.

USB debugging

When enabled, allows debugging when the device is attached to a PC by a USB cable.

- From the **Developer options** screen, touch **USB debugging** to enable or disable the setting. When enabled, a check mark appears in the check box.

Development device ID

The identification number for your device when using it as a development tool displays in this field.

Allow mock locations

This setting is used by developers when developing location-based applications.

- From the **Developer options** screen, touch **Allow mock locations** to enable or disable the setting.

  When enabled, the check mark becomes highlighted in the check box.

Desktop backup password

Protect the desktop with a backup password ID.

1. From the **Developer options** screen, touch **Desktop backup password**.
2. In the Settings screen, enter the current full backup password, the new password for full backups, then enter the new password again.
3. Touch **Set backup password** to save the password change.

User interface

Configure the user interface by setting the behavior for the way the screen behaves when using applications or displaying data.

- From the **Developer options** screen, under **User interface**, touch the check box next to each of the following options to enable it: (When enabled, a check mark appears in the check box.)
  - **Strict mode**: The screen flashes when applications perform long operations on the main thread.
  - **Show pointer location**: Highlights the data that was touched on the screen.
  - **Show touches**: Displays touch interactions on the screen.
  - **Show screen updates**: Areas of the screen flash when they update.
  - **Show CPU usage**: Screen highlights the current CPU usage.
  - **Force GPU rendering**: Uses a 2D acceleration in applications.
  - **Window animation scale**: Configure the scale for animation (ranges from off to 10x).
  - **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from Off to 10x).

Applications

- From the **Developer options** screen, under **Apps**, touch the check box next to each of the following options to enable it: (When enabled, a check mark appears in the check box.)
  - **Do not keep activities**: Destroys every activity as soon as the application is closed.
  - **Limit background processes**: Set the number of processes that can run in background. Options are: Standard limit, No background processes, and 1 to 4 processes at most.
  - **Show all ANRs**: Displays a prompt when applications running in background are not responding.

System updates

Check availability and install updates to your phone.

- From the **Settings** screen, under **System**, touch **System updates**. The **System Updates** screen appears, showing the followng options:
  - **Check for Update**: Checks for available system software updates and installs them on your phone.
  - **Status**: Shows the current software versions (PDA and CDMA) on your phone and the Status, Code, Date, and Time the current software was installed.

About device

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From the **Settings** screen, under **System**, touch **About device**.
2. Touch options to view details:
   - **Status**: View Battery status, Battery level, Network, Signal strength, Service state, Roaming, User name, Mobile network state, My phone number, PRL version, MEID, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, and Up time.
   - **Legal information**: Display open source licenses, configure license settings, including your DivX VOD registration, and Google info.
   - **Model number**: View your phone's model number.
   - **Android version**: View the firmware version of your phone.
   - **Baseband version**: View the baseband version of your phone.
   - **Kernel version**: View the kernel version of your phone.
   - **Build number**: View the build number of your phone.
   - **Hardware version**: View the version number of our phone's hardware.

Setup wizard

Guides you through the process of setting up major connections and functions of your phone.

1. From the **Settings** screen, under **System**, touch **Setup wizard**.
2. Follow the on-screen prompts to setup your phone.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.

- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

The maximum SAR values for this model phone as reported to the FCC are:

- **Head:** 0.70 W/Kg.
- **Body:** 0.81 W/Kg.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:
http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp
.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to
http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch **Phone**.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Touch the “Send” key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion

or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not

be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

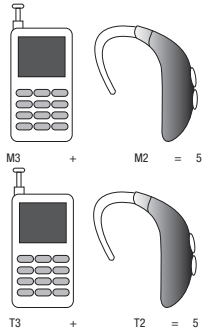
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.

- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 14: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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10. THIRD-PARTY APPLICATIONS. Certain third party applications may be included with, or downloaded to this mobile device. Samsung Electronics Co. makes no representations whatsoever about any of these applications. Since Samsung Electronics Co. has no control over such applications, you acknowledge and agree that Samsung Electronics Co. is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. You expressly acknowledge and agree that use of third party applications is at your sole

risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with you. It is up to you to take precautions to ensure that whatever you select to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to you, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third party or its products and services. You agree that Samsung Electronics Co. shall not be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to be caused by, or in connection with, use of or reliance on any such third party content, products, or services available on or through any such application. You acknowledge and agree that the use of any third-party application is governed by such third party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third party application provider's privacy policy, if such a policy exists. SAMSUNG ELECTRONICS CO. DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD PARTY APPLICATION PROVIDER.

11. Disclaimer of Warranty Regarding Third Party Applications. SAMSUNG ELECTRONICS CO. DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE AVAILABILITY, USE, TIMELINESS, SECURITY, VALIDITY, ACCURACY, OR RELIABILITY OF, OR THE RESULTS OF THE USE OF, OR OTHERWISE RESPECTING, THE CONTENT OF ANY THIRD PARTY APPLICATION WHETHER SUCH THIRD PARTY APPLICATION IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG ELECTRONICS CO., IS DOWNLOADED, OR OTHERWISE OBTAINED. USE OF ANY THIRD PARTY APPLICATION IS DONE AT YOUR OWN DISCRETION AND RISK AND YOU ARE SOLELY RESPONSIBLE FOR ANY DAMAGE TO THE MOBILE DEVICE OR LOSS OF DATA THAT RESULTS FROM THE DOWNLOADING OR USE OF SUCH THIRD PARTY APPLICATIONS. SAMSUNG ELECTRONICS CO. EXPRESSLY DISCLAIMS ANY WARRANTY REGARDING WHETHER YOUR PERSONAL INFORMATION IS CAPTURED BY ANY THIRD PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD PARTY APPLICATION PROVIDER. ANY THIRD PARTY APPLICATIONS PROVIDED WITH THIS MOBILE DEVICE

ARE PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG ELECTRONICS CO., EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG ELECTRONICS CO. DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY, ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SAMSUNG ELECTRONICS CO. DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE THIRD PARTY APPLICATION, THAT THE FUNCTIONS CONTAINED IN THE THIRD PARTY APPLICATION WILL MEET YOUR REQUIREMENTS, THAT THE OPERATION OF THE THIRD PARTY APPLICATION WILL BE UNINTERRUPTED OR ERROR FREE, OR THAT DEFECTS IN THE THIRD PARTY APPLICATION WILL BE CORRECTED. YOU ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM SAMSUNG ELECTRONICS CO. OR ANY OTHER PERSON OR ENTITY SHALL BE DEEMED TO ALTER THIS DISCLAIMER OF WARRANTY REGARDING THIRD PARTY APPLICATIONS, OR TO CREATE ANY WARRANTY BY SAMSUNG ELECTRONICS CO.

12. Limitation of Liability. SAMSUNG ELECTRONICS CO. WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE THE SOFTWARE OR ANY THIRD PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES CAUSED BY OR RELATED TO ERRORS, OMISSIONS, INTERRUPTIONS, DEFECTS, DELAY IN OPERATION OR TRANSMISSION, COMPUTER VIRUS, FAILURE TO CONNECT, NETWORK CHARGES, IN-APP PURCHASES, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES EVEN IF SAMSUNG ELECTRONICS CO. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NOTWITHSTANDING THE FOREGOING, SAMSUNG ELECTRONIC CO.'S TOTAL LIABILITY TO YOU FOR ALL

LOSSES, DAMAGES, CAUSES OF ACTION, INCLUDING BUT NOT LIMITED TO THOSE BASED ON CONTRACT, TORT, OR OTHERWISE, ARISING OUT OF YOUR USE OF THE SOFTWARE OR THIRD PARTY APPLICATIONS ON THIS MOBILE DEVICE, OR ANY OTHER PROVISION OF THIS EULA, SHALL NOT EXCEED THE AMOUNT PURCHASER PAID SPECIFICALLY FOR THIS MOBILE DEVICE OR ANY SUCH THIRD PARTY APPLICATION THAT WAS INCLUDED WITH THIS MOBILE DEVICE. THE FOREGOING LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS (INCLUDING SECTIONS 9, 10, 11 AND 12) SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

13. U.S. Government End Users Restricted Rights. The Software is licensed only with "restricted rights" and as "commercial items" consisting of "commercial software" and "commercial software documentation" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Products are provided only with "restricted rights" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Software and Products are provided subject to Federal Acquisition Regulation (FAR) 52.227.19.

14. APPLICABLE LAW. This EULA is governed by the laws of TEXAS, without regard to conflicts of laws principles. This EULA shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded.

15. DISPUTE RESOLUTION.

(a) Non-United States residents. If a dispute, controversy or difference is not amicably settled, it shall be finally resolved by arbitration in Seoul, Korea in accordance with the Arbitration Rules of the Korean Commercial Arbitration Board. The award of arbitration shall be final and binding upon the parties.

(b) United States residents. ALL DISPUTES WITH SAMSUNG ELECTRONICS CO. ARISING IN ANY WAY FROM THIS EULA OR YOUR USE OF THE SOFTWARE SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with any other person's or entity's claim or dispute, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The

arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the EULA and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the EULA. For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Samsung Electronics Co. its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and Samsung Electronics Co. shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against Samsung Electronics Co.'s employees, representatives and affiliates if any such claim arises from the licensing or use of the Software. You may opt out of this dispute resolution procedure by providing notice to Samsung Electronics Co. no later than 30 calendar days from the date of the first consumer purchaser's purchase of this device. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the device was purchased; (c) the device model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the device box; (ii) on the device information screen, which can be found under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of

the first consumer purchaser's purchase of the device and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

16. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung Electronics Co. relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

Social Hub

Legal Terms and Privacy

Samsung's Social Hub and (if applicable) the website where you accessed this Disclaimer (collectively, the "Service"), is being made available to you by Samsung Electronics Co., Ltd., and its affiliates and suppliers (collectively "Samsung") subject to the following enclosed documents:

- Social Hub Terms and Conditions which governs your use of the Service generally;
- Social Hub End User License Agreement which specifically governs your use of the software which forms part of, or enables you to access, the Service; and
- Social Hub Privacy Policy which governs our collection and use of personal information in connection with your access to and use of the Service.

By using the Service, you agree to be bound by the above documents. Please read through those documents to make sure you understand the basis on which Samsung is providing the Service to you.

You will be able to access additional features available at socialhub.samsungmobile.com.

Social Hub Terms and Conditions

Acceptance of the Terms

These Social Hub Terms and Conditions together with the Social Hub Privacy Policy and Social Hub End User Licence Agreement (collectively "Terms") govern your use of Social Hub, which comprises all content and services accessible through Social Hub (including third party content and services), and (if applicable) the website where you

accessed these Terms (collectively the "Service"). The Terms constitute an agreement between you and Samsung Electronics Co., Ltd., and its affiliates (collectively "Samsung") with respect to the Service. By using the Service, you agree to be legally bound to the Terms.

You are not allowed to use the Service if you do not agree to the Terms. To the extent permitted by applicable law, Samsung reserves the right to modify, update, supplement, revise or otherwise change the Terms, and to impose new or additional rules, policies, terms or conditions in relation to the Service, from time to time with or without notice to you ("Amendments").

Samsung may provide you with notice of the Amendments by sending an email message to the email address listed in your account information (if any), or by posting the notice on the Social Hub website.

Such Amendments will be effective immediately and incorporated into the Terms upon sending or posting of such notice. You are responsible for regularly reviewing the Terms. Your continued use of the Service will be deemed to constitute your acceptance of any and all such Amendments.

Eligibility

To use the Service, you must be at least sixteen (16) years of age. If you are at least sixteen (16) years of age but are a minor for legal purposes where you live, you must review the Terms and have your parent or legal guardian accept the Terms on your behalf in order for you to use the Service. The person accepting the Terms on your behalf must be legally competent.

Your Information

When required to provide information in connection with your use of the Service, you agree to provide truthful and complete information. Providing misleading information about your identity is forbidden. When you first use the Service, you may be required to create a username and a password.

You (and your parent or legal guardian, if you are a minor) are personally responsible for any use of the Service with your username and password.

You agree to take due care in protecting your username and password against misuse by others and promptly notify Samsung about any misuse.

Termination of Service

Samsung may terminate or restrict your access to certain parts of the Service if there is an indication that you have breached the Terms or at any time in its sole discretion.

Your Material

Except as set forth in the Social Hub Privacy Policy, Samsung shall not be responsible for any removal of the information or content you have submitted in the course of using the Service ("Material") when your access to the Service is terminated. Your submission of Material in the course of using the Service does not transfer ownership rights in the Material to Samsung. After the Material is removed from the Service by either you or Samsung, some traces of the Material may remain and copies of the Material may still reside within the servers used in providing the Service. However, Samsung does not claim ownership in your Material.

You represent and warrant that you have obtained any consents, permission or licenses that may be required for you to have the legal right to submit any Material. Samsung reserves the right to terminate your access to the Service if Samsung determines, at its sole discretion, that you have repeatedly submitted infringing Materials to the Service.

Using the Service

You agree to:

- Use the Service only for your private, non-commercial purposes;
- Comply with applicable laws, the Terms and good manners;
- Not submit unlawful, offensive, abusive, pornographic, harassing, libelous or other inappropriate Material;
- Respect the privacy of others;
- Obtain any consents, permission or licenses that may be required for you to have the legal right to submit any Material; and
- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses or any other technologies that may harm the Service, or the interest or property of the Service users.

Unauthorized use of the Service (including any use in contravention of the Terms) is prohibited and may result in criminal prosecution and/or civil liability.

Restrictions

You and any third party directed by You must not display, copy, store, modify, sell, publish or redistribute the Service (whether all or any portion of it), and such displaying, copying, storing, modification, sale, publishing and

redistribution shall be prohibited unless you have obtained all necessary rights and permissions from Samsung and the owners and right holders of such the Service or relevant part.

You must not use the Service for any purposes other than those permitted under the Terms. Without limiting this restriction, you must not use the service for any illegal purposes, to make unsolicited offers or advertisements, to impersonate or falsely claim affiliation with any person or entity, to misrepresent, harass, defraud or defame others, to post obscene or unreasonably offensive material, to negatively present the Service, nor for any commercial purposes.

Except as expressly permitted by the Terms, and except to the extent that applicable laws prevent Samsung from restraining you from doing so, you are not allowed to disassemble, reverse engineer, tamper with the Service, transmit malicious code or collect information of other users through the Service.

You may not take any action to interrupt the functionality of or tamper with the Service or any content or service contained in or provided through the Service, or any servers used in providing the Service, or to unreasonably affect others' enjoyment of the Service in any way.

Actions Required by Law

Samsung may need to comply with lawful interception and/or data retention requirements imposed by your country of residence or any other country in which you use the Service. Samsung may restrict access to any part of the Service or terminate your access to the Service, at any time in its sole discretion if required by law or by the relevant authorities or regulatory agencies to do so.

Third Party Sites and Content

The Service may allow access to sites on the Internet that are owned or operated by third parties. Access to such sites does not imply that Samsung endorses the site or the conduct, products or services on the site. Upon accessing any such site, you must review and agree to the rules of use of the relevant site before using the site.

You acknowledge and agree that Samsung has no control over the content, products or services of third-party sites and does not assume any responsibility for or in respect of such content, products or services. Third party content and services may be terminated or interrupted at any time, and Samsung makes no representation or warranty that any content or service will remain available for any period of

time. Samsung expressly disclaims any responsibility or liability for any interruption or suspension of any third party content or service.

In addition, Samsung is neither responsible nor liable for customer service related to third party sites. Any question or request for service relating to third party sites should be made directly to the relevant site operator.

Subscription Information

Use of the Service may involve transmission of data through your service provider's network. Your network service provider may charge you for such data transmission. Samsung assumes no responsibility for the payment of any such charges.

Availability

The Service may be network dependent - contact your network service provider for more information. Samsung reserves the right, in its sole discretion, to change, improve and correct the Service. The Service may not be available during maintenance breaks and other times. Samsung may also decide to discontinue the Service or any part thereof in its sole discretion. In such case you will be provided with prior notification.

Samsung does not represent or warrant that the Service, or any part thereof, is appropriate or available for use in any particular jurisdiction. If you choose to access the Service, you do so on you own initiative and at you own risk, and you are responsible for complying with all US federal, state and local laws, rules and regulations.

Dealings with Others

You may interact with other users on or through the Service. You agree that any such interactions do not involve Samsung and are solely between you and the other user(s).

Intellectual Property

The Service and related software are protected under international copyright laws and you are hereby notified that copyrights are claimed by Samsung.

Subject to the Terms, Samsung retains all right, title and interest in the Service and in all Samsung's products, software and other properties provided to you or used by you through the Service.

Personal Data

The Social Hub Privacy Policy and the following additional provisions govern the use of your personal information. When you access the Service, Samsung may ask for or otherwise

collect certain personal information such as your email address along with your user name and password and, in certain cases, your mobile phone number so that we can communicate with you, for example to send notifications of incoming messages. When you use the Service, certain technical information such as the type and serial number of your mobile device, Internet protocol address, your mobile network and country codes, timezone, technical details of your client as well as your transactions with Samsung, for example your acceptance of the Terms, will be automatically collected by Samsung.

The purposes for which Samsung may use such data are explained in the Social Hub Privacy Policy. Samsung may also participate with your selected service providers in maintaining your contact lists.

The third party services and content you access through the Service and the telecommunications carriers and the network through which you access the Service are provided and hosted by your selected third party content and service providers who typically has a privacy policy of its own. We recommend you familiarize yourself with your service provider's privacy policy. Samsung is not responsible for the privacy or any other practices of such service providers. Although your messages will be transmitted through Samsung's servers, Samsung will not process the content or headers of your messages for any purpose other than as necessary to deliver and manage your messages, unless otherwise required by law.

In connection with certain services accessible via the Service, Samsung may cooperate with your operator and other third parties. Samsung may receive from such third parties certain device specific non-personal information, such as device serial number of the devices sold by the operator with preinstalled software for the Service. Such information may be used for aanalyzing the activation of the Service.

LIMITATION OF LIABILITY

THE SERVICE IS PROVIDED ON "AS IS" AND "AS AVAILABLE" BASIS. TO THE FULLEST EXTENT PERMITTED BY THE LAW AND SUBJECT TO THE TERMS, SAMSUNG DOES NOT WARRANT THAT THE SERVICE WILL BE UNINTERRUPTED OR ERROR OR VIRUS-FREE.

TO THE FULLEST EXTENT PERMITTED BY THE LAW AND SUBJECT TO THE TERMS, NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF TITLE OR NON-INFRINGEMENT OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS

FOR A PARTICULAR PURPOSE, IS MADE IN RELATION TO THE AVAILABILITY, ACCURACY, RELIABILITY, OF THE SERVICE, INCLUDING ANY INFORMATION OR CONTENT PROVIDED THROUGH THE SERVICE. YOU EXPRESSLY AGREE AND ACKNOWLEDGE THAT THE USE OF THE SERVICE IS AT YOUR SOLE RISK AND THAT YOU MAY BE EXPOSED TO CONTENT FROM VARIOUS SOURCES.

SAMSUNG SHALL NOT BE HELD RESPONSIBLE FOR ANY THIRD PARTY CONTENT OR SERVICE THAT MAY BE ACCESSED THROUGH THE SERVICE, NOR SHALL SAMSUNG BE HELD RESPONSIBLE FOR MALICIOUS CODE CONTAINED ON OR DISTRIBUTED THROUGH BY THIRD PARTIES.

YOU ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES, LOSSES, COSTS, OR HARM ARISING FROM YOUR USE OF OR INABILITY TO USE THE SERVICE. TO THE EXTENT PERMITTED BY LAW, EXCEPT FOR LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, SAMSUNG DISCLAIMS ALL LIABILITIES WITH RESPECT TO YOUR USE OF THE SERVICE (INCLUDING DIRECT, INDIRECT, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES).

IF THERE IS A CLAIM THAT WE HAVE BREACHED ANY OF THE PROVISIONS IN THE TERMS, THIS DOES NOT AFFECT OR INVALIDATE THE OTHER PROVISIONS.

CERTAIN STATUTORY PROVISIONS UNDER APPLICABLE LAW MAY IMPLY WARRANTIES OR CONDITIONS OR IMPOSE OBLIGATIONS UPON SAMSUNG WHICH CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED OR CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED EXCEPT TO A LIMITED EXTENT. THE TERMS MUST BE READ SUBJECT TO THESE STATUTORY PROVISIONS. IF THESE STATUTORY PROVISIONS APPLY, TO THE EXTENT TO WHICH SAMSUNG IS ABLE TO DO SO, SAMSUNG LIMITS ITS LIABILITY UNDER THOSE PROVISIONS TO, AT ITS OPTION, IN THE CASE OF SERVICES (A) THE SUPPLYING OF THE SERVICES AGAIN; OR (B) THE PAYMENT OF THE COST OF HAVING THE SERVICES SUPPLIED AGAIN AND, IN THE CASE OF GOODS, (A) THE REPLACEMENT OF THE GOODS OR THE SUPPLY OF EQUIVALENT GOODS; (B) THE REPAIR OF THE GOODS; (C) THE PAYMENT OF THE COST OF REPLACING THE GOODS OR OF ACQUIRING EQUIVALENT GOODS; OR (D) THE PAYMENT OF THE COST OF HAVING THE GOODS REPAIRED.

Indemnification

You agree to defend, indemnify and hold harmless Samsung from and against any and all third party claims and all liabilities, assessments, losses, costs or damages resulting from or arising out of i) your breach of the Terms, ii) your infringement or violation of any intellectual property, other rights or privacy of a third party, iii) misuse of the Service by a third party where such misuse was made possible due to your failure to take reasonable measures to protect your username and password against misuse.

Choice of Law

Except where prohibited by applicable law or provided otherwise herein, the Terms shall be governed by the laws of the State of New York without regard to its conflict of law provisions.

You and Samsung agree to submit to the non-exclusive jurisdiction of the competent courts in the State of New York to resolve any legal matters arising from the Terms. Notwithstanding this, you agree that Samsung shall still be allowed to apply for injunctive remedies (or equivalent type of urgent legal relief) in any jurisdiction.

Miscellaneous

The Terms (including all documents comprising the Terms) constitute the entire agreement between you and Samsung, and supersedes any prior agreement between you and Samsung, with respect to your use of the Service. Your use of any third-party content or service accessed via the Service will be governed by the terms and conditions furnished with, and applicable to that content or service. If any provision of the Terms is held invalid, illegal or unenforceable, that portion of the Terms shall be construed in a manner consistent with applicable law to reflect, as nearly as possible, the original intentions of the parties, and the remaining portion of the Terms shall remain in full force and effect. Samsung's failure to enforce any right or provision of the Terms will not constitute a waiver of such provision, or any other provision of the Terms.

Samsung will not be liable or responsible for any failure to fulfill any of its obligations under the Terms which failure is due to any cause or condition beyond the reasonable control of Samsung. If there is any conflict between these Social Hub Terms and Conditions and the Social Hub Privacy Policy, the provisions of these Social Hub Terms and Conditions shall

prevail. The provisions of the Terms that are intended to or by their nature should survive termination of your use of the Service shall remain valid after any such termination.

Social Hub Privacy Policy

Samsung Electronics Co., Ltd. ("Samsung") is committed to protecting the online privacy of visitors, users and customers to our Social Hub service. This privacy policy ("Privacy Policy") forms part of the Terms which govern your use of Social Hub(excluding any third party content and services), and (if applicable) the website where you accessed this Privacy Policy, (collectively, the "Service"). The purpose of the Privacy Policy is to inform you about the types of information we gather about you when you access or use the Service, how we may use that information, and if and how we disclose it to third parties.

All users of the Service are required to provide true, current, complete and accurate personal information when prompted and we will reject and delete any entry that we believe in good faith to be incorrect, false, falsified, or fraudulent, or inconsistent with or in violation of the Privacy Policy.

We will provide you with an opportunity to give your consent in relation to your use of the Service. Separate from such consent, your access or use of the Service will be construed as your acceptance of the Privacy Policy and of our collection, use, disclosure, management and storage of your personal information as described below. We may, from time to time, transfer or merge any personal information collected off-line to our online databases or store off-line information in an electronic format. We may also combine personal information we collect online with information available from other sources, including information received from our affiliates, marketing companies, or advertisers. This Privacy Policy covers all such personal information and will remain in full force and effect as long as you are a user of the Service, even if your use of or participation in any particular service, feature, function or promotional activity terminates, expires, ceases, is suspended or deactivated for any reason.

INFORMATION THAT WE COLLECT

Personal Information

We may request that you supply us with "personal" information, such as your name, e-mail address, mailing address, home or work telephone number in the course of you accessing or using the Service, such as via registration forms, surveys, and polls. In each such case, you will know what categories of information we collect because you will actively provide the information to us. You may not be able to

fully utilize all of the features or components of the Service if you choose not to provide certain information. If you do choose to give us personal information through the Service, we will collect and retain that information.

Non-Personal Information

When you use the Service, we may also collect "non-personal" information. We consider "non-personal information" to be information that, by itself, cannot be used to identify or contact you personally, such as demographic information (your age, gender, income, education, profession, zip code, etc.). Non-personal information may also include technical information, such as your IP address and other anonymous data involving your use of the Service.

Non-personal information may also include information that you provide us through your use of the Service, such as the terms you enter into the search functions of Social Hub, mail inbox and instant messenger. We reserve the right to use or disclose non-personal information in any way we see fit.

USE OF INFORMATION WE COLLECT

Our Services

We use your personal information to provide you with any services that you may request or require, to communicate with you and to allow you to participate in online surveys. We use aggregated non-personal information about our users to understand the demographics of users of the Service, such as the percentage of male and female users, the geographic distribution of our users, the age ranges of our users, a combination of these and/or other demographics. We may also use the personal or non-personal information we collect to analyze how Service is being used, and to improve the content of the Service, and for marketing and promotional efforts.

E-mail Communications

If you send us an e-mail with questions or comments, we may use your personal information to respond to your questions or comments, and we may save your questions or comments for future reference. Aside from our reply to such an e-mail, it is not our standard practice to send you e-mail unless you request a particular service that involves e-mail communications. However, you consent to us contacting you by e-mail, and sending you information about products and services which we believe may be of interest to you. You may have the opportunity to subscribe to an electronic newsletter in which case information about the Service or our advertisers will be sent to your e-mail address. We will provide you with the option to change your preferences and opt-out of receiving those communications. You may request

at any time that we not e-mail you in future by clicking the "unsubscribe" link which is included at the bottom of any e-mail that you receive from us. If you unsubscribe, we will make reasonable efforts to discontinue e-mail communications to you as soon as practicable.

DISCLOSURE OF INFORMATION TO THIRD PARTIES

Aggregate Information

Except as specifically set forth in this Privacy Policy, we do not share your personal information with any third party without your permission. We may disclose aggregate information, such as demographic information, and our statistical analyses to third parties, including advertisers or other business partners. This aggregate information does not include your personal information.

Service Providers

We sometimes engage unaffiliated businesses to assist us in providing you certain services. For example, we may use third parties to provide advertising, marketing and promotional assistance, provide e-mail services, or facilitate our online services. In those instances, we may need to share your personal information with them.

We require these companies to use your personal information only to provide the particular product or service and do not authorize them to use your personal information for any other reason. We sometimes offer promotions in conjunction with a third party sponsor.

If you choose to participate in those promotions, we may share your information with the sponsor if they need it to send you a product or other special promotion they offer.

Third Party Advertisers

We may use third-party advertising companies to deliver specific advertisements to you. These companies may collect non-personal information about your visits to Social Hub in order to provide advertisements about products and services that may be of interest to you.

These companies may also aggregate your non-personal information for use in targeted advertising, marketing research, and other similar purposes. These companies may place their own cookies on your computer. If you want to prevent a third-party advertiser from collecting and using this information, you may visit each third party advertiser's website directly and opt-out.

Other Disclosures

We may disclose personal information when we are required or requested to do so by law, court order or other government or law enforcement authority or regulatory agency; to enforce or apply our rights and agreements; or when we believe in good faith that disclosing this information is necessary or advisable, including, for example, to protect the rights, property, or safety of the Service and Samsung, our users, or others.

CHILDREN

The Service is not designed for use by children without their parent's supervision. We ask that anyone under the age of sixteen (16) not submit any personal information through the Service. We do not knowingly collect any personal information from children under the age of eighteen, and therefore we do not knowingly distribute such information to third parties.

SECURITY OF THE INFORMATION WE COLLECT

The security of your personal information is important to us. We maintain physical, electronic, and procedural safeguards to secure your personal information. However, there is always some risk in transmitting information electronically. The personal information we collect is stored within databases that we control.

As we deem appropriate, we use security measures consistent with industry standards, such as firewalls and encryption technology, to protect your information. However, we cannot guarantee the security of our databases, nor can we guarantee that information you supply won't be intercepted while being transmitted to us over the Internet.

CHAT ROOMS AND OTHER PUBLIC AREAS

Our third party service and content providers may offer chat, user reviews, bulletin boards, or other public functions and any posting by you is considered public information available to other users. Any posting is governed in accordance with the third party service and content providers' terms and conditions. You should take care not to use personal information in your screen name or other information that might be publicly available to other users.

Archived Information

We maintain archives of web logs, database, and other systems and information in relation to the Service. Please note that it is possible some of this information may remain

archived after we delete the information from its active database. We maintain archives for disaster recovery, legal and other non-marketing purposes.

How can I update my profile?

You can help us maintain the accuracy of your profile by notifying us when you change zip/postal code, country of residence, age range, or e-mail address. If at any time you wish to update your information or stop receiving communication from us, sign in to the Service and then select 'update your profile' to change your preferences.

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Registration may be required to enter promotions such as contests and sweepstakes on Social Hub. These registration or entry processes may require your submission of personal information such as your first and last name, street address, city, state and zip code, e-mail address, telephone number and date of birth. The entry page and/or rules for the promotion will provide the specific requirements for the promotion. You may also have the opportunity to opt-in to special offers from our advertisers in connection with these promotions.

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Samsung Telecommunications America, LLC
1301 E. Lookout Drive, Richardson, TX 75082
Attn: Customer Support Department

After receiving a request to change your information, we will make reasonable efforts to ensure that all of your personal information stored in databases we actively use to operate the Service will be updated, corrected, changed or deleted, as appropriate, as soon as reasonably practicable. However, we reserve the right to retain in our archival files any information we remove from or change in our active databases. We may retain such information to resolve disputes, troubleshoot problems and enforce our Terms.

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